



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

January 15, 2019

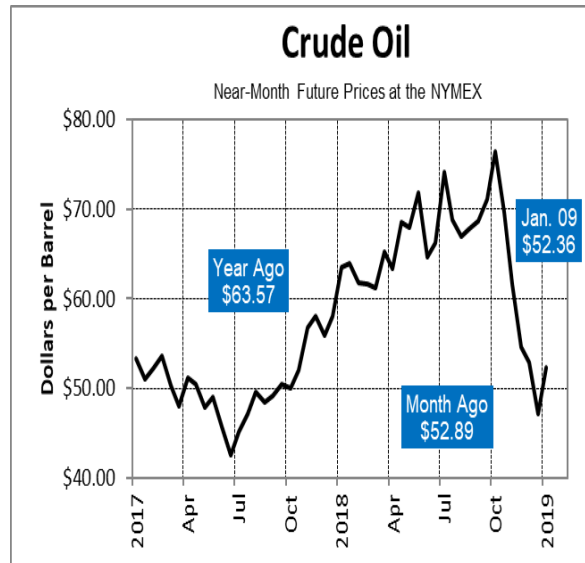
(Data are for the week ending January 4, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices decreased by \$0.53 to \$52.36 per barrel in the past month and are 18 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	01-09-19	12-05-18	change	01-10-18	change
NYMEX	\$52.36	\$52.89	down 1%	\$63.57	down 18%

- Crude oil futures for February delivery on the NYMEX ended \$2.58, or 5.18 percent, higher on January 9 to settle at \$52.36 per barrel. The price for crude oil futures is \$0.53, or 1 percent, below the month-ago level.
- November crude oil production for the U.S., Russia, and Saudi Arabia was at or near record levels, which contributed to the recently observed decline in prices. Uncertainty in the magnitude of global economic growth in the proceeding months has created uncertainty in global oil demand growth.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$52.36 is \$11.21, or 18 percent, lower.
- Domestic crude production was unchanged relative to the prior week at 11.7 million barrels per day (MMB/D). Last year at this time, production stood at approximately 9.5 MMB/D. Total crude imports were up over the prior week at approximately 7.8 MMB/D. Imports at this time last year were approximately 7.7 MMB/D.
- U.S. crude oil supplies dropped 1.7 MMB on the week to 439.7 MMB. U.S. supplies are 20.2 MMB higher compared to this time last year.



- U.S. refinery crude runs were lower over the prior week with refiners processing approximately 17.6 MMB/D. U.S. refinery capacity utilization was lower on the week at 96.1 percent. Last year at this time, capacity use stood at 95.3 percent.
- Gasoline output was lower on the week at approximately 9.4 MMB/D. Output was approximately 9.5 MMB/D at this time last year. Distillate output was lower than the prior week at approximately 5.6 MMB/D. Last year at this time, production stood at 5.3 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.5 MMB/D, down by about 0.7 percent compared to the same period last year.

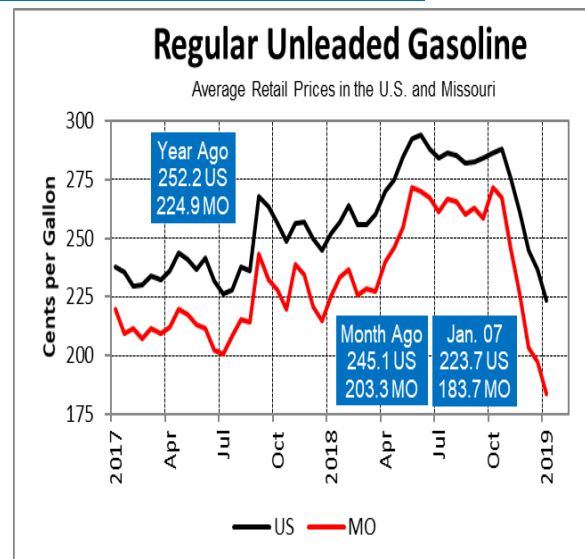
Transportation Fuels

On January 7, Missouri's statewide average retail price for gasoline was approximately \$1.97 per gallon, down 29.4 cents in the past month and down 17.8 cents in the past year.

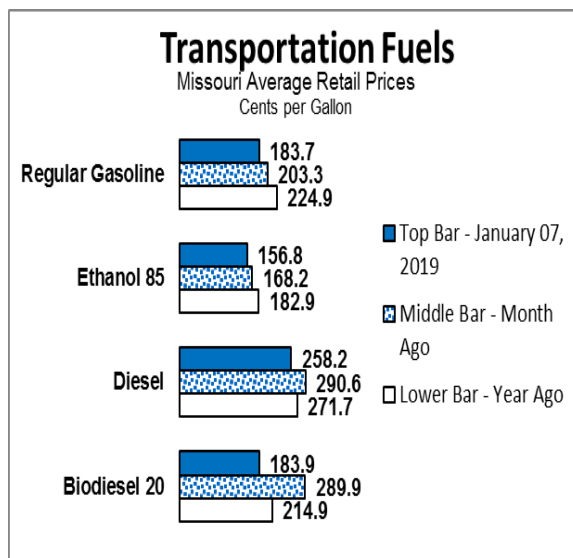
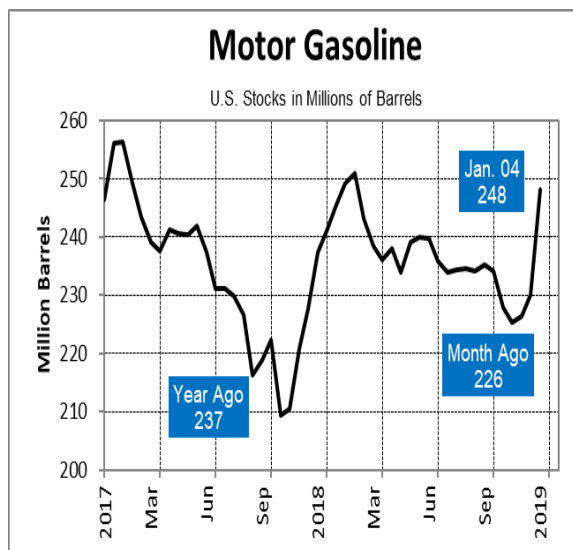
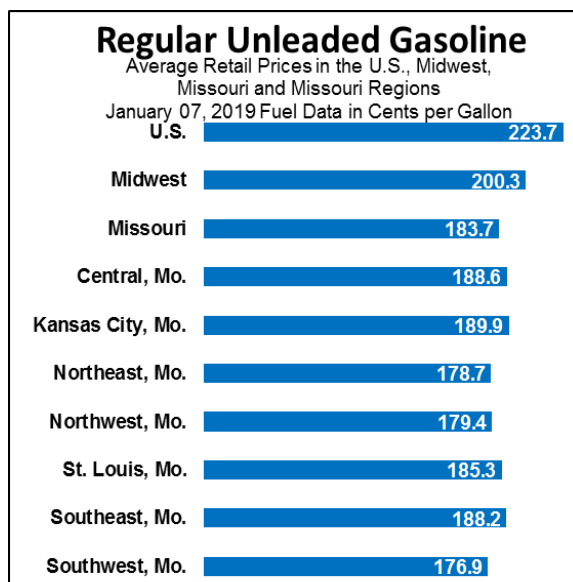
<i>Regular Unleaded Gasoline - Retail Prices (cents per gallon)</i>					
	<u>01-07-19</u>	<u>12-03-18</u>	<u>change</u>	<u>01-09-18</u>	<u>change</u>
US	223.7	245.1	down 9%	252.2	down 11%
Missouri	183.7	203.3	down 10%	224.9	down 18%

<i>Diesel Fuel - Retail Prices (cents per gallon)</i>					
	<u>01-07-19</u>	<u>12-03-18</u>	<u>change</u>	<u>01-09-18</u>	<u>change</u>
US	301.3	320.7	down 6%	299.6	up 1%
Missouri	258.2	290.6	down 11%	271.7	down 5%

- On January 7, Missouri's average retail price for gasoline was approximately \$1.84 per gallon, down 19.6 cents in the past month.
- Missouri's average price for diesel fuel was about \$2.58 per gallon, down 32.4 cents in the past month.
- Compared to last year at this time, Missouri's average retail gasoline price is 41.2 cents per gallon, or 18 percent, lower while the average retail diesel fuel price is 13.5 cents per gallon, or 5 percent, lower.
- At approximately \$2.24, the U.S. average price for regular gasoline is 21.4 cents per gallon, or 9 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 28.5 cents per gallon, or 11 percent, lower compared to this time last year. In the past week, the U.S. average increased by 2.9 cents per gallon.



- Gasoline imports increased from the prior week at approximately 0.5 MMB/D. Last year at this time, imports stood at approximately 0.3 MMB/D.
- Implied demand for gasoline was higher on the week at approximately 8.7 MMB/D. Demand stood at approximately 8.8 MMB/D at this time last year.
- In the past four weeks, U.S. gasoline demand has averaged approximately 9.0 MMB/D.
- U.S. gasoline supplies were up 8.1 MMB on the week at 248.1 MMB. U.S. supplies are 10.8 MMB higher than this time last year.
- Distillate stocks increased 10.6 MMB on the week at 140 MMB and stand 3.1 MMB lower compared to the same period last year.
- Distillate demand was lower on the week at approximately 3.0 MMB/D. Demand stood at approximately 3.7 MMB/D at this time last year. On a four-week average, distillate demand was lower at approximately 3.8 MMB/D.
- On January 7, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was \$1.57 per gallon, 26.9 cents per gallon, or 14.6 percent, lower than the average price for conventional motor gasoline.
- On January 7, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was \$1.84 per gallon, 74.3 cents per gallon, or 28.8 percent, lower than the average price for conventional diesel fuel.
- According to EIA's latest *Short Term Energy Outlook* dated December 11, 2018, U.S. regular gasoline retail prices, which averaged \$2.15 per gallon in 2016, \$2.42 in 2017, and \$2.73 in 2018, are projected to average \$2.50 in 2019.



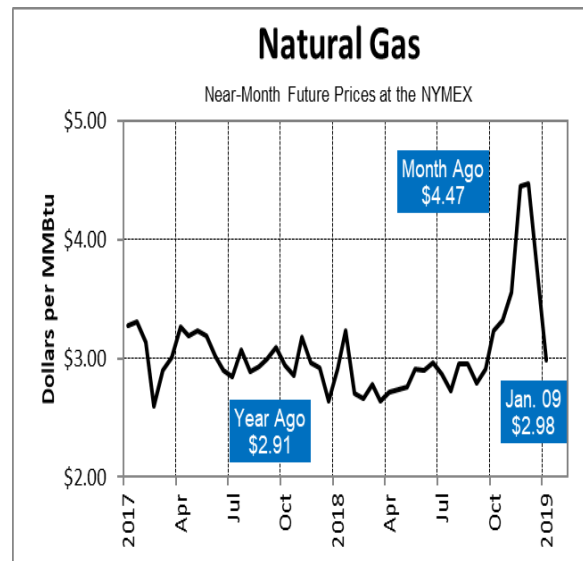
Natural Gas

Approximately 51.4 percent (1,218,420) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On January 9, 2019, natural gas futures on the NYMEX closed at \$2.98 per million British thermal units (MMBtu), down approximately \$1.49, or 33.3 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	01-09-19	12-05-18	change	01-10-18	change
NYMEX	\$2.98	\$4.47	down 33%	\$2.91	up 2%

- The February 2019 NYMEX futures contract settled at \$2.98 per MMBtu on January 9, up \$0.03 from the January 2 settlement.
- In the past month, the futures contract has decreased 149 cents, or 33 percent.
- Futures are up \$0.07, or 2.4 percent, in the past year.
- According to EIA's January 10, 2019 *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are 2,614 billion cubic feet (Bcf), or 7.2 percent, lower than last year at this time.



- According to the EIA, net withdrawals from working gas totaled 91 Bcf for the week ending January 9. Working natural gas stocks are at 2,614 Bcf, which is approximately 7 percent lower than the year-ago level and 15 percent lower than the five-year (2014–18) average for this week.
- Temperatures in the Lower 48 states averaged warmer than normal for the week ending January 9. Temperatures were much warmer than normal across the Midwest and Great Plains. Cooling degree days nationally were 1 above the normal, with the South Atlantic region at 7 cooling degree days above its normal for the week ending January 3. Heating degree days were above the normal nationally.
- According to the EIA, total U.S. consumption of natural gas fell 3 percent for the week ending January 9 compared with the prior report week. In the residential and commercial sectors, consumption decreased by 4 percent. Natural gas consumed for power generation rose 2 percent week over week. Industrial sector consumption fell 1 percent week over week. Natural gas exports to Mexico increased 19 percent over the week.

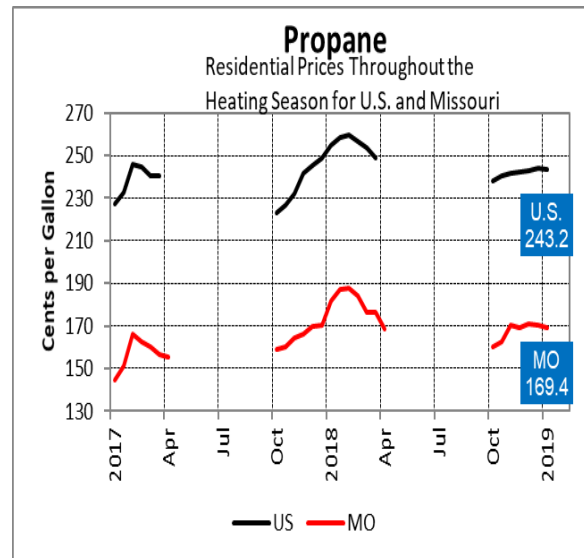
Propane

Approximately 9.0 percent (212,748) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On January 7, the average Missouri retail price for residential propane was approximately \$1.69 per gallon, down 12.4 cents, or 6.8 percent, in the past year.

<i>Propane - Retail Prices (cents per gallon)</i>					
	<u>01-07-19</u>	<u>12-03-18</u>	<u>change</u>	<u>01-09-18</u>	<u>change</u>
Missouri	169.4	171.1	down 1%	181.8	down 7%

- According to the Division of Energy's most recent statewide propane price survey conducted January 7, the average Missouri retail residential propane price was approximately \$1.69 per gallon, down 12.4 cents compared to last year at this time.
- According to the survey, the highest Missouri retail residential price for propane was almost \$1.90 per gallon. The lowest retail price was \$1.39 per gallon.
- U.S. propane/propylene stocks decreased over the report week at 68.7 MMB as of January 4, 2019, 2.4 MMB, or 3.4 percent, lower than the five-year average inventory level for this same time of year. Midwest inventories decreased by approximately 0.6 MMB to 20.4 MMB for the report week. Midwest inventories stood at approximately 18.7 MMB at the same time last year.
- U.S. propane consumption was lower week over week at approximately 1.5 MMB/D. Consumption stood at over 1.6 MMB/D at the same time last year.



For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects transportation and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers, other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web Address: <http://energy.mo.gov/energy/stay-informed/missouri-energy-bulletins>.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

January 28, 2019

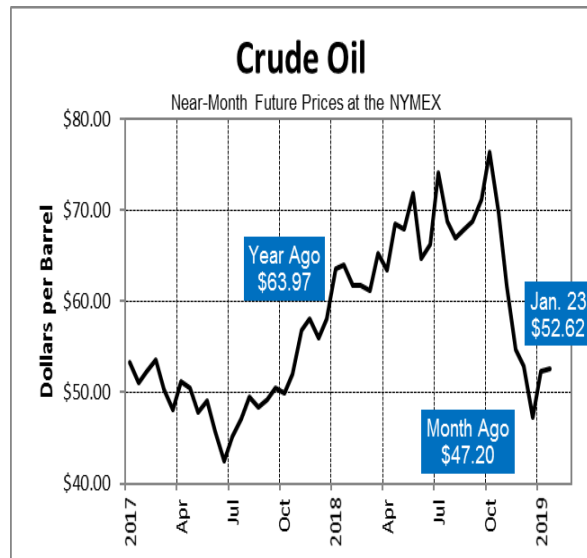
(Data are for the week ending January 18, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$5.42 to \$52.62 per barrel in the past month and are 18 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	<u>01-23-19</u>	<u>12-19-18</u>	<u>change</u>	<u>01-17-18</u>	<u>change</u>
NYMEX	\$52.62	\$47.20	up 11%	\$63.97	down 18%

- Crude oil futures for February delivery on the NYMEX ended \$5.42, or 11.5 percent, higher on January 23 to settle at \$52.62 per barrel. The price for crude oil futures is \$5.42, or 11.5 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$52.62 is \$11.35, or 18 percent, lower.
- Domestic crude production was unchanged relative to the prior week at 11.9 million barrels per day (MMB/D). Last year at this time, production stood at approximately 9.9 MMB/D. Total crude imports were up over the prior week at approximately 8.2 MMB/D. Imports at this time last year were approximately 8.0 MMB/D.
- U.S. crude oil supplies increased 8.0 MMB on the week to 445.0 MMB. U.S. supplies are 33.4 MMB higher compared to this time last year.
- U.S. refinery crude runs were lower over the prior week with refiners processing approximately 17.0 MMB/D. U.S. refinery capacity utilization was lower on the week at 92.9 percent. Last year at this time, capacity use stood at 94.0 percent.



- Gasoline output was higher on the week at approximately 9.6 MMB/D. Output was approximately 9.4 MMB/D at this time last year. Distillate output was lower than the prior week at approximately 5.2 MMB/D. Last year at this time, production stood at 4.8 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.3 MMB/D, down by about 1.1 percent compared to the same period last year.

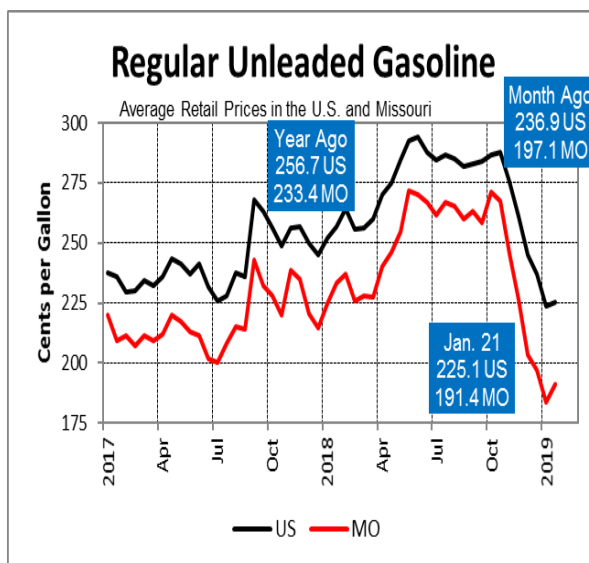
Transportation Fuels

On January 21, Missouri's statewide average retail price for gasoline was approximately \$1.91 per gallon, down 5.7 cents in the past month and down 42.0 cents in the past year.

Regular Unleaded Gasoline - Retail Prices (cents per gallon)					
	01-21-19	12-17-18	change	01-22-18	change
US	225.1	236.9	down 5%	256.7	down 12%
Missouri	191.4	197.1	down 3%	233.4	down 18%

Diesel Fuel - Retail Prices (cents per gallon)					
	01-21-19	12-17-18	change	01-22-18	change
US	296.5	312.1	down 5%	303.0	down 2%
Missouri	263.7	281.4	down 6%	273.2	down 3%

- On January 21, Missouri's average retail price for gasoline was approximately \$1.91 per gallon, down 5.7 cents in the past month.
- Missouri's average price for diesel fuel was about \$2.64 per gallon, down 17.7 cents in the past month.
- Compared to last year at this time, Missouri's average retail gasoline price is 42.0 cents per gallon, or 18 percent, lower while the average retail diesel fuel price is 9.5 cents per gallon, or 3 percent, lower.

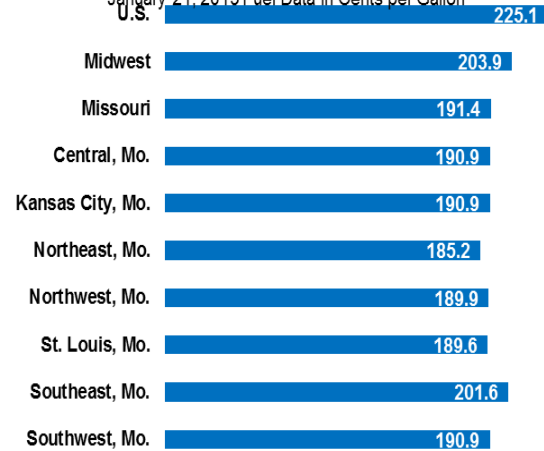


- At approximately \$2.25, the U.S. average price for regular gasoline is 11.8 cents per gallon, or 5 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 31.6 cents per gallon, or 12 percent, lower compared to this time last year. In the past week, the U.S. average increased by 0.4 cents per gallon.

- Gasoline imports increased from the prior week at approximately 0.6 MMB/D. Last year at this time, imports stood at approximately 0.6 MMB/D.
- Implied demand for gasoline was higher on the week at approximately 8.8 MMB/D. Demand stood at approximately 8.7 MMB/D at this time last year.
- In the past four weeks, U.S. gasoline demand has averaged approximately 8.7 MMB/D.
- U.S. gasoline supplies were up 4.0 MMB on the week at 259.6 MMB. U.S. supplies are 15.6 MMB higher than this time last year.
- Distillate stocks decreased 0.6 MMB on the week at 142.4 MMB and stand 2.6 MMB higher compared to the same period last year.
- Distillate demand was higher on the week at approximately 4.7 MMB/D. Demand stood at approximately 3.8 MMB/D at this time last year. On a four-week average, distillate demand was lower at approximately 3.8 MMB/D.
- On January 21, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was \$1.63 per gallon, 28.5 cents per gallon, or 14.9 percent, lower than the average price for conventional motor gasoline.
- On January 21, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was \$2.80 per gallon, 16.2 cents per gallon, or 6.1 percent, higher than the average price for conventional diesel fuel.
- According to EIA's latest *Short Term Energy Outlook* dated January 15, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and have averaged \$2.47 in 2019, are projected to average \$2.62 in 2020.

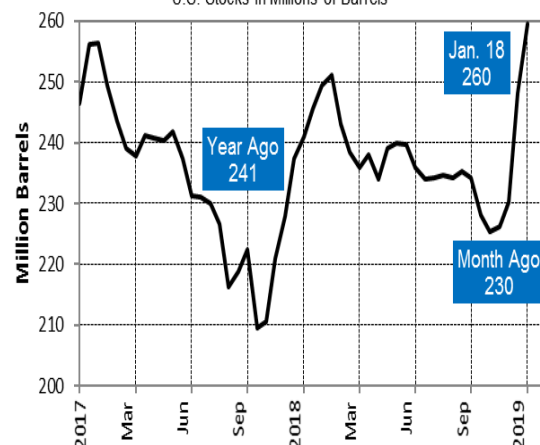
Regular Unleaded Gasoline

Average Retail Prices in the U.S., Midwest, Missouri and Missouri Regions
January 21, 2019 Fuel Data in Cents per Gallon



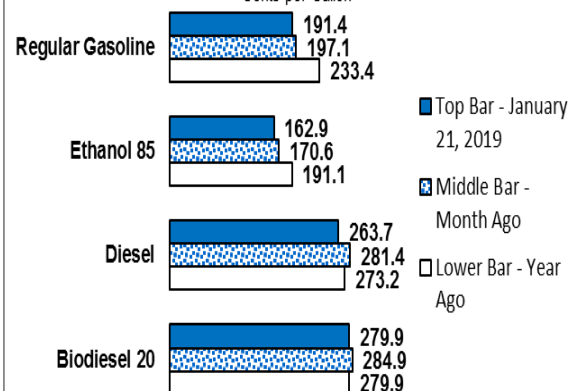
Motor Gasoline

U.S. Stocks in Millions of Barrels



Transportation Fuels

Missouri Average Retail Prices
Cents per Gallon



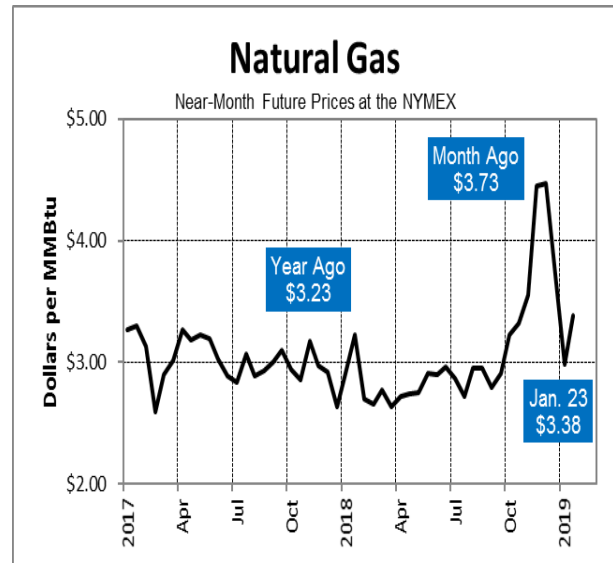
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On January 23, 2019, natural gas futures on the NYMEX closed at \$3.38 per million British thermal units (MMBtu), down approximately \$0.35, or 9.4 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	01-23-19	12-19-18	change	01-17-18	change
NYMEX	\$3.38	\$3.73	down 9%	\$3.23	up 5%

- The February 2019 NYMEX futures contract settled at \$3.38 per MMBtu on January 23, down \$0.40 from the January 16 settlement.
- In the past month, the futures contract has decreased 35 cents, or 9 percent.
- Futures are up \$0.15, or 4.6 percent, in the past year.
- According to EIA's January 24, 2019 *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 2,370 billion cubic feet (Bcf), 1.4 percent, higher than last year at this time.



- According to the EIA, net withdrawals from working gas totaled 163 Bcf for the week ending January 18. Working natural gas stocks are at 2,370 Bcf, which is approximately 1.4 percent higher than the year-ago level and 11 percent lower than the five-year (2014–18) average for this week.
- Temperatures in the Lower 48 states averaged warmer than normal for the week ending January 17. Temperatures were much warmer than normal across the Midwest and Great Plains. Cooling degree days nationally were 1 above the normal, with the South Atlantic region at 5 cooling degree days above its normal for the week ending January 17. Heating degree days were 12 above the normal nationally.
- According to the EIA, total U.S. consumption of natural gas rose 4 percent for the week ending January 23 compared with the prior report week. In the residential and commercial sectors, consumption increased by 8 percent. Natural gas consumed for power generation was unchanged week over week. Industrial sector consumption increased 1 percent week over week. Natural gas exports to Mexico increased 1 percent over the week.

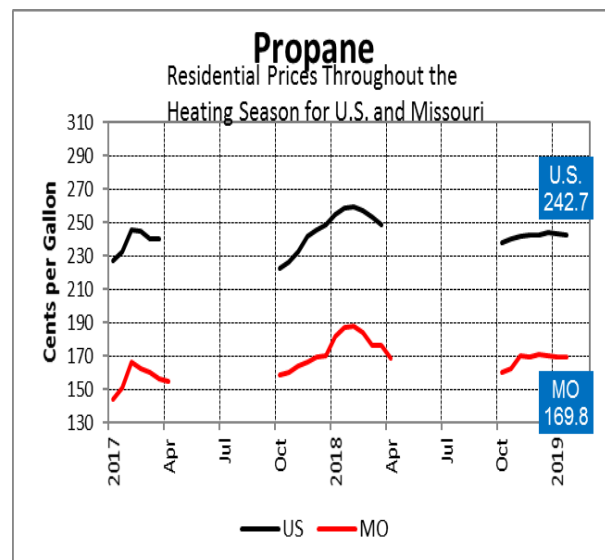
Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On January 21, the average Missouri retail price for residential propane was approximately \$1.69 per gallon, down 17.3 cents, or 9.2 percent, in the past year.

<i>Propane - Retail Prices (cents per gallon)</i>					
	<u>01-21-19</u>	<u>12-17-18</u>	<u>change</u>	<u>01-22-18</u>	<u>change</u>
Missouri	169.8	170.3	down <1%	187.1	down 9%

- According to the Division of Energy's most recent statewide propane price survey conducted January 21, the average Missouri retail residential propane price was approximately \$1.69 per gallon, down 17.3 cents compared to last year at this time.
- According to the survey, the highest Missouri retail residential price for propane was almost \$1.90 per gallon. The lowest retail price was \$1.39 per gallon.
- U.S. propane/propylene stocks decreased over the report week at 63.8 MMB as of January 18, 2019, 9.8 MMB, or 18 percent, higher than the year ago inventory level for this same time of year. Midwest inventories decreased by approximately 1.2 MMB to 18.6 MMB for the report week. Midwest inventories stood at approximately 15.5 MMB at the same time last year.
- U.S. propane consumption was higher week over week at approximately 1.6 MMB/D. Consumption stood at over 1.7 MMB/D at the same time last year.



For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects transportation and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers, other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web Address: <http://energy.mo.gov/energy/stay-informed/missouri-energy-bulletins>.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

February 8th, 2019

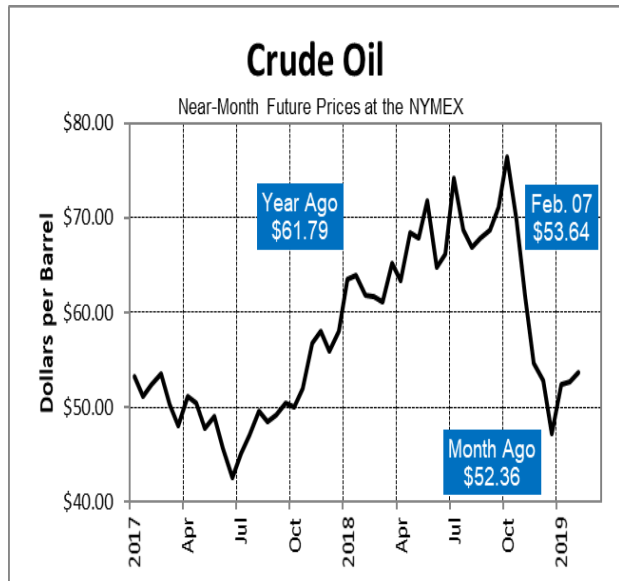
(Data are for the week ending February 1, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$1.28 to \$53.64 per barrel in the past month and are 13 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	02-07-19	01-09-19	change	02-07-18	change
NYMEX	\$53.64	\$52.36	up 2%	\$61.79	down 13%

- Crude oil futures for February delivery on the NYMEX ended \$1.62, or 2.9 percent, lower on February 7 to settle at \$53.64 per barrel. The price for crude oil futures is \$1.28, or 2.4 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$53.64 is \$8.15, or 13 percent, lower.
- Domestic crude production was unchanged relative to the prior week at 11.9 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.3 MMB/D. Total crude imports were up over the prior week at approximately 7.1 MMB/D. Imports at this time last year were approximately 7.9 MMB/D.
- U.S. crude oil supplies increased 1.3 MMB on the week to 447.2 MMB. U.S. supplies are 26.9 MMB higher compared to this time last year.
- U.S. refinery crude runs were higher over the prior week with refiners processing approximately 16.6 MMB/D. U.S. refinery capacity utilization was lower on the week at 92.1 percent. Last year at this time, capacity use stood at 91.1 percent.



- Gasoline output was higher on the week at approximately 9.7 MMB/D. Output was approximately 9.7 MMB/D at this time last year. Distillate output was lower than the prior week at approximately 5.2 MMB/D. Last year at this time, production stood at 4.9 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 21.2 MMB/D, up by about 2 percent compared to the same period last year.

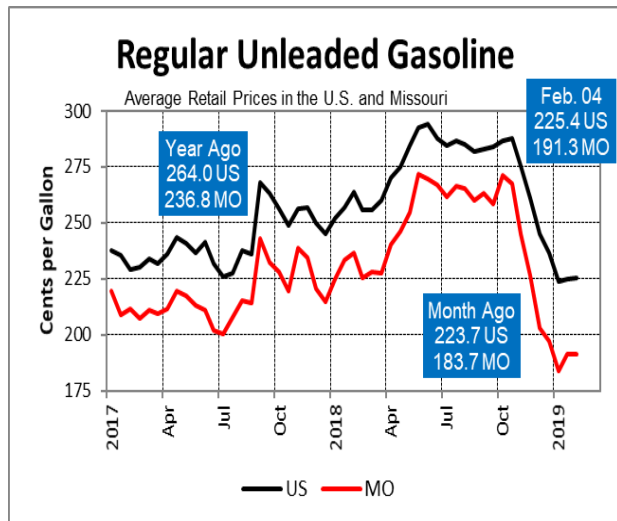
Transportation Fuels

On February 4, Missouri's statewide average retail price for gasoline was approximately \$1.91 per gallon, up 7.6 cents in the past month and down 45.5 cents in the past year.

Regular Unleaded Gasoline - Retail Prices (cents per gallon)					
	02-04-19	01-07-19	change	02-05-18	change
US	225.4	223.7	up 1%	264.0	down 15%
Missouri	191.3	183.7	up 4%	236.8	down 19%

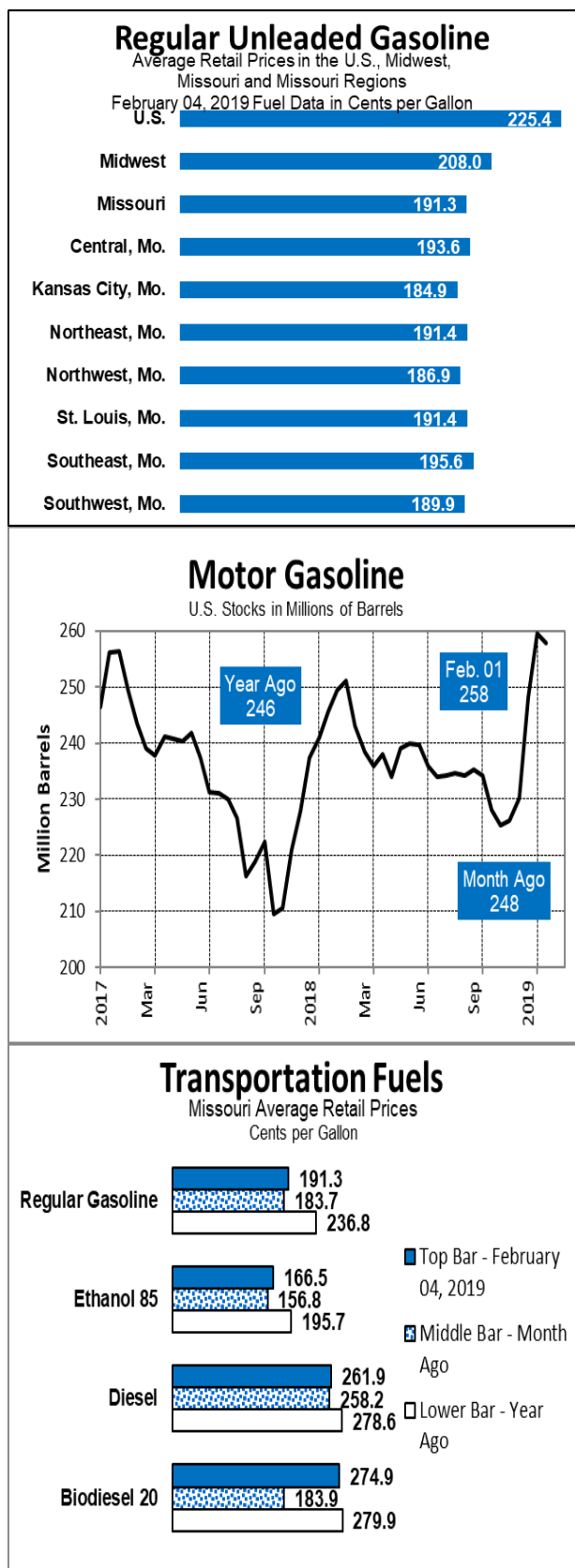
Diesel Fuel - Retail Prices (cents per gallon)					
	02-04-19	01-07-19	change	02-05-18	change
US	296.6	301.3	down 2%	308.6	down 4%
Missouri	261.9	258.2	up 1%	278.6	down 6%

- On February 4, Missouri's average retail price for gasoline was approximately \$1.91 per gallon, up 7.6 cents in the past month.
- Missouri's average price for diesel fuel was about \$2.62 per gallon, up 3.7 cents in the past month.
- Compared to last year at this time, Missouri's average retail gasoline price is 45.5 cents per gallon, or 19 percent, lower while the average retail diesel fuel price is 16.7 cents per gallon, or 6 percent, lower.



- At approximately \$2.25, the U.S. average price for regular gasoline is 1.7 cents per gallon, or 0.8 percent, higher compared to last month.
- The U.S. average price for regular gasoline is 38.6 cents per gallon, or 15 percent, lower compared to this time last year. In the past week, the U.S. average decreased by 0.2 cents per gallon.
- Gasoline imports increased from the prior week at approximately 0.6 MMB/D. Last year at this time, imports stood at approximately 0.7 MMB/D.

- Implied demand for gasoline was lower on the week at approximately 9.1 MMB/D. Demand stood at approximately 9.1 MMB/D at this time last year.
- In the past four weeks, U.S. gasoline demand has averaged approximately 9 MMB/D.
- U.S. gasoline supplies were up 0.5 MMB on the week at 257.9 MMB. U.S. supplies are 12.4 MMB higher than this time last year.
- Distillate stocks decreased 2.3 MMB on the week at 139 MMB and stand 2.8 MMB lower compared to the same period last year.
- Distillate demand was higher on the week at approximately 4.7 MMB/D. Demand stood at approximately 3.8 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 4.5 MMB/D.
- On February 4, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was \$1.67 per gallon, 24.8 cents per gallon, or 13 percent, lower than the average price for conventional motor gasoline.
- On January 21, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was \$2.75 per gallon, 13 cents per gallon, or 5 percent, higher than the average price for conventional diesel fuel.
- According to EIA's latest *Short Term Energy Outlook* dated January 15, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and have averaged \$2.47 in 2019, are projected to average \$2.62 in 2020.



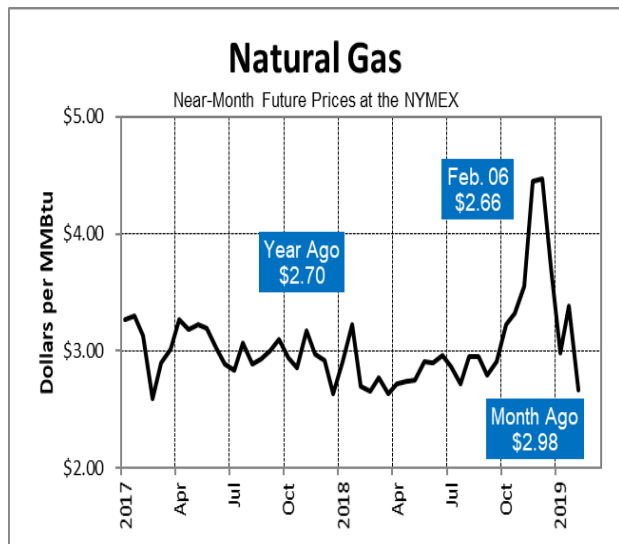
Natural Gas

Approximately 51 percent (1,217,836) of Missouri households use natural gas to heat their homes (Data updated from the most recent U.S. Census report). Natural gas is also used to produce goods and electricity.

On February 6, 2019, natural gas futures on the NYMEX closed at \$2.66 per million British thermal units (MMBtu), down approximately 32 cents, or 11 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	02-06-19	01-09-19	change	02-07-18	change
NYMEX	\$2.66	\$2.98	down 11%	\$2.70	down 1%

- The March 2019 NYMEX futures contract settled at \$2.66 per MMBtu on February 6, down 19 cents from the January 30 settlement.
- In the past month, the futures contract has decreased 32 cents, or 11 percent.
- Futures are down 0.04 cents, or 1.5 percent, in the past year.
- According to EIA's February 7, 2019 *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 1,960 billion cubic feet (Bcf), 6.4 percent lower than last year at this time.
- According to the EIA, net withdrawals from working gas totaled 237 Bcf for the week ending February 1. Working natural gas stocks are at 1,960 Bcf, which is approximately 6 percent lower than the year-ago level and 17 percent lower than the five-year (2014–18) average for this week.
- Temperatures in the Lower 48 states averaged warmer than normal for the week ending January 31. Temperatures were much warmer than normal across the Pacific and Mountain regions. Heating degree days nationally were well above the normal and cooling degree days were approximately average.
- According to the EIA, total U.S. consumption of natural gas fell 15 percent for the week ending February 6 compared with the prior report week. In the residential and commercial sectors, consumption decreased by 21 percent. Natural gas consumed for power generation was unchanged week over week. Industrial sector consumption decreased 7 percent week over week. Natural gas exports to Mexico decreased 3 percent over the week.



Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes (Data updated from the most recent U.S. Census report). Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On February 4, the average Missouri retail price for residential propane was approximately \$1.69 per gallon, down 18.6 cents, or 10 percent, in the past year.

Propane - Retail Prices (cents per gallon)					
	<u>02-04-19</u>	<u>01-07-19</u>	<u>change</u>	<u>02-05-18</u>	<u>change</u>
Missouri	169.0	169.4	down 0%	187.6	down 10%

- According to the Division of Energy's most recent statewide propane price survey conducted February 4, the average Missouri retail residential propane price was approximately \$1.69 per gallon, down 18.6 cents compared to last year at this time.
 - According to the survey, the highest Missouri retail residential price for propane was almost \$1.90 per gallon. The lowest retail price was \$1.39 per gallon.
- | Year | Month | U.S. Price (Cents/Gallon) | MO Price (Cents/Gallon) |
|------|-------|---------------------------|-------------------------|
| 2017 | Apr | ~240 | ~160 |
| 2018 | Oct | ~240 | ~160 |
| 2019 | Feb | 2.4 | 169.0 |
- U.S. propane/propylene stocks decreased over the report week at 57.5 MMB as of February 1, 2019, 8.58 MMB, or 18 percent, higher than the year ago inventory level for this same time of year. Midwest inventories decreased by approximately 1.1 MMB to 15.9 MMB for the report week. Midwest inventories stood at approximately 12.8 MMB at the same time last year.
 - U.S. propane consumption was lower week over week at approximately 57.5 MMB/D. Consumption stood at 48.9 MMB/D at the same time last year.

For more information on propane, please visit:

energy.mo.gov/resources/be-prepared-for-propane

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

energy.mo.gov/energy-bulletins

To learn more about Missouri energy issues, please visit:

energy.mo.gov/energy

For more information about the Comprehensive State Energy Plan, please visit:

energy.mo.gov/comprehensive-state-energy-plan

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects transportation and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers, other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web Address: <http://energy.mo.gov/energy/stay-informed/missouri-energy-bulletins>.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

February 25th, 2019

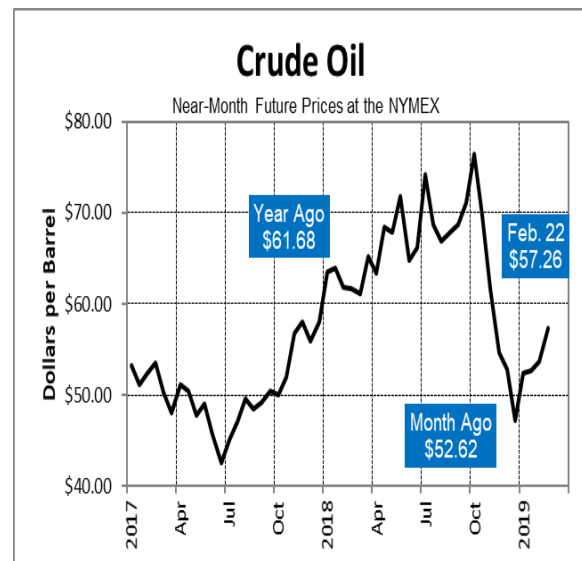
(Data are for the week ending February 15, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$4.64 to \$57.26 per barrel in the past month and are 7 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	02-22-19	01-23-19	change	02-21-18	change
NYMEX	\$57.26	\$52.62	up 9%	\$61.68	down 7%

- On February 22 Crude oil futures for April delivery on the NYMEX ended \$1.67, or 3 percent, higher than on February 15 to settle at \$57.26 per barrel. The price for crude oil futures is \$4.64, or 8.8 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$57.26 is \$4.42, or 7.2 percent, lower.
- Domestic crude production was slightly higher relative to the prior week at 12 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.3 MMB/D. Total crude imports were up over the prior week at approximately 7.5 MMB/D. Imports at this time last year were approximately 7 MMB/D.



- U.S. crude oil supplies increased 3.7 MMB on the week to 454.5 MMB. U.S. supplies are 34 MMB higher compared to this time last year.
- U.S. refinery crude runs were slightly lower relative to the prior week with refiners processing approximately 15.7 MMB/D. U.S. refinery capacity utilization was the same on the week at 85.9 percent. Last year at this time, capacity use stood at 88.1 percent.

- Gasoline output was lower on the week at approximately 9.5 MMB/D. Output was approximately 10.1 MMB/D at this time last year. Distillate output was lower than the prior week at approximately 4.8 MMB/D. Last year at this time, production stood at 4.5 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.6 MMB/D, down by about 0.1 percent compared to the same period last year.

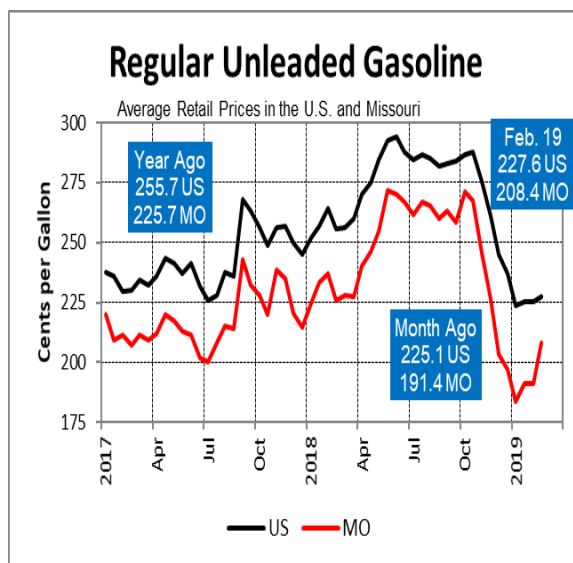
Transportation Fuels

On February 19, Missouri's statewide average retail price for gasoline was approximately \$2.08 per gallon, up 17 cents in the past month and down 17 cents in the past year.

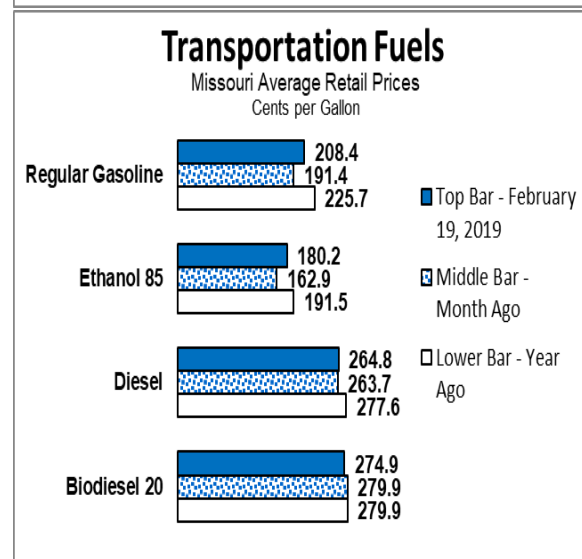
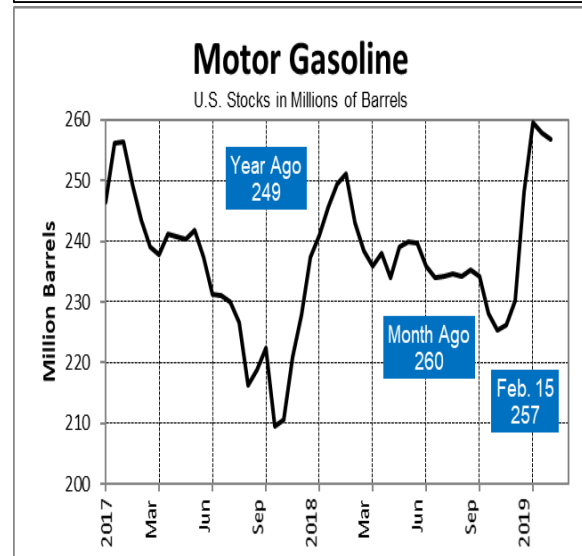
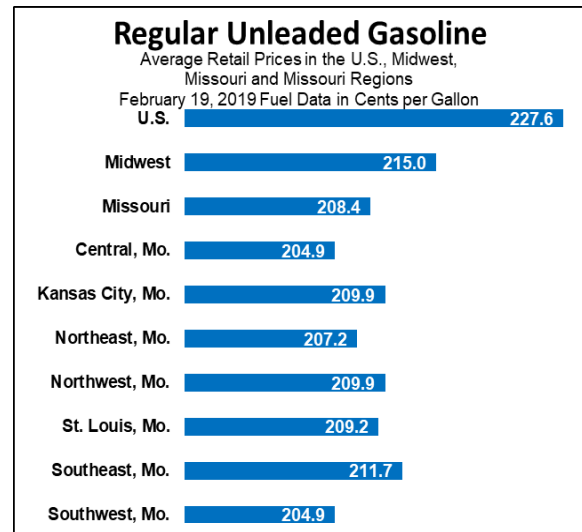
Regular Unleaded Gasoline - Retail Prices (cents per gallon)					
	02-19-19	01-21-19	change	02-20-18	change
US	227.6	225.1	up 1%	255.7	down 11%
Missouri	208.4	191.4	up 9%	225.7	down 8%

Diesel Fuel - Retail Prices (cents per gallon)					
	02-19-19	01-21-19	change	02-20-18	change
US	300.6	296.5	up 1%	302.7	down 1%
Missouri	264.8	263.7	up 0%	277.6	down 5%

- On February 19, Missouri's average retail price for gasoline was approximately \$2.08 per gallon, up 17 cents in the past month.
- Missouri's average price for diesel fuel was about \$2.65 per gallon, up 1.1 cents in the past month.
- Compared to last year at this time, Missouri's average retail gasoline price is 17.3 cents per gallon, or 8 percent, lower while the average retail diesel fuel price is 12.8 cents per gallon, or 5 percent, lower.
- At approximately \$2.28, the U.S. average price for regular gasoline is 2.5 cents per gallon, or 1.1 percent, higher compared to last month.
- The U.S. average price for regular gasoline is 28.1 cents per gallon, or 11 percent, lower compared to this time last year. In the past week, the U.S. average increased by 4.1 cents per gallon.
- Gasoline imports decreased from the prior week at approximately 0.42 MMB/D. Last year at this time, imports stood at approximately 0.35 MMB/D.



- Implied demand for gasoline was higher on the week at approximately 8.8 MMB/D. Demand stood at approximately 9.0 MMB/D at this time last year.
- In the past four weeks, U.S. gasoline demand has averaged approximately 9 MMB/D.
- U.S. gasoline supplies were down 1.5 MMB on the week at 256.8 MMB. U.S. supplies are 7.5 MMB higher than this time last year.
- Distillate stocks decreased 1.5 MMB on the week at 138.9 MMB and stand 0.2 MMB lower compared to the same period last year.
- Distillate demand was lower on the week at approximately 4.2 MMB/D. Demand stood at approximately 4.2 MMB/D at this time last year. On a four-week average, distillate demand was lower at approximately 4.2 MMB/D.
- On February 19, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was \$1.80 per gallon, 28.2 cents per gallon, or 14 percent, lower than the average price for conventional motor gasoline.
- On February 19, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was \$2.75 per gallon, 10 cents per gallon, or 3.8 percent, higher than the average price for conventional diesel fuel.
- According to EIA's latest *Short Term Energy Outlook* dated February 12, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and have averaged \$2.47 in 2019, are projected to average \$2.56 in 2020.



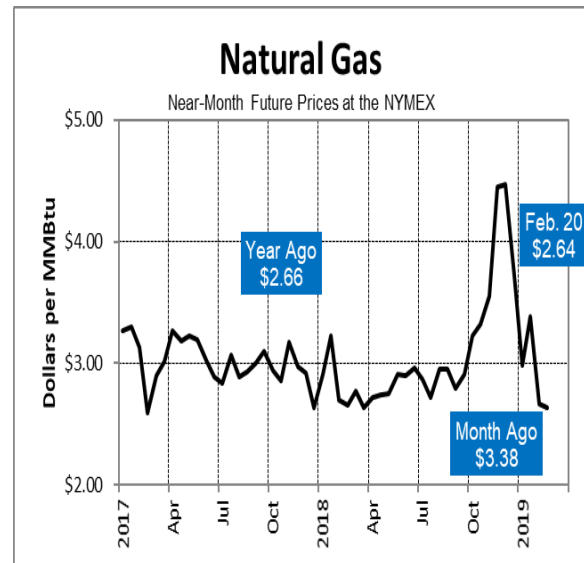
Natural Gas

Approximately 51 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On February 20, 2019, natural gas futures on the NYMEX closed at \$2.64 per million British thermal units (MMBtu), down approximately 74 cents, or 22 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	02-20-19	01-23-19	change	02-21-18	change
NYMEX	\$2.64	\$3.38	down 22%	\$2.66	down 1%

- The March 2019 NYMEX futures contract settled at \$2.64 per MMBtu on February 20, up 6 cents from the February 13 settlement.
- In the past month, the futures contract has decreased 74 cents, or 21.8 percent.
- Futures are down 2 cents, or 0.8 percent, in the past year.
- According to EIA's February 15, 2019 *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 1,705 billion cubic feet (Bcf), 4 percent lower than last year at this time and 18 percent lower than the five-year (2014–18) average for this week.



- According to the EIA, net withdrawals from working gas totaled 177 Bcf for the week ending February 15.
- Temperatures in the lower 48 states averaged warmer than normal for the week ending February 14. Temperatures were much warmer than normal across the Pacific, Mountain, and W N Central regions. Heating degree days nationally, however, were above the normal and cooling degree days were approximately average.
- According to the EIA, total U.S. consumption of natural gas fell 2 percent for the week ending February 20 compared with the prior report week. In the residential and commercial sectors, consumption decreased by 2 percent. Natural gas consumed for power generation declined by 4 percent week over week. Industrial sector consumption decreased 1 percent week over week. Natural gas exports to Mexico decreased 3 percent over the week.

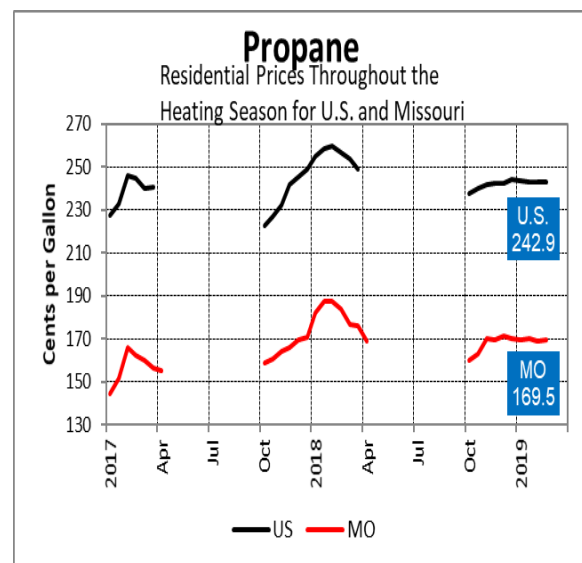
Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On February 19, the average Missouri retail price for residential propane was approximately \$1.70 per gallon, down 14.4 cents, or 8 percent, in the past year.

Propane - Retail Prices (cents per gallon)					
	<u>02-19-19</u>	<u>01-21-19</u>	<u>change</u>	<u>02-20-18</u>	<u>change</u>
Missouri	169.5	169.8	down 0%	183.9	down 8%

- According to the Division of Energy's most recent statewide propane price survey conducted February 19, the average Missouri retail residential propane price was approximately \$1.70 per gallon, down 14.4 cents compared to last year at this time.
- According to the survey, the highest Missouri retail residential price for propane was almost \$1.90 per gallon. The lowest retail price was \$1.39 per gallon.
- U.S. propane/propylene stocks decreased over the report week at 54.6 MMB as of February 15, 2019, 11.5 MMB, or 26.7 percent, higher than the year ago inventory level for this same time of year. Midwest inventories decreased by approximately 1.8 MMB to 12.9 MMB for the report week. Midwest inventories stood at approximately 10.6 MMB at the same time last year.
- U.S. propane consumption was higher week over week at approximately 2 MMB/D. Consumption stood at approximately 1.7 MMB/D at the same time last year.



For more information on propane, please visit: energy.mo.gov/resources/be-prepared-for-propane

To access previous issues of the Energy Bulletin, or to subscribe, please visit: energy.mo.gov/energy-bulletins

To learn more about Missouri energy issues, please visit: energy.mo.gov/energy

For more information about the Comprehensive State Energy Plan, please visit: energy.mo.gov/comprehensive-state-energy-plan

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects transportation and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers, other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web address: energy.mo.gov/energy-bulletins.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

March 7th, 2019

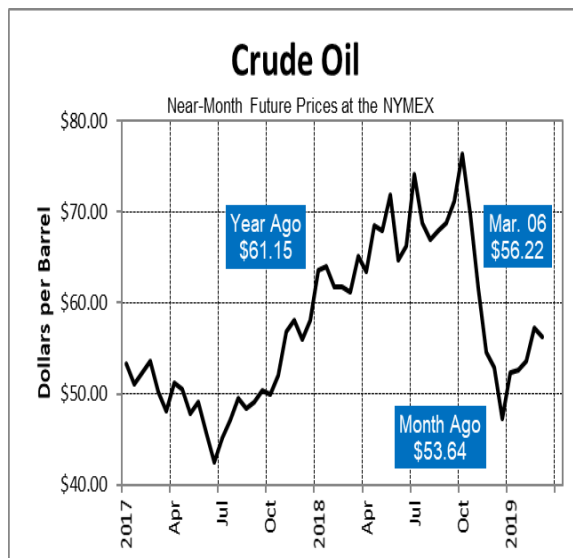
(Data are for the week ending March 1, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$2.58 to \$56.22 per barrel in the past month and are 8 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	<u>03-06-19</u>	<u>02-07-19</u>	<u>change</u>	<u>03-07-18</u>	<u>change</u>
NYMEX	\$56.22	\$53.64	up 5%	\$61.15	down 8%

- On March 6, Crude oil futures for April delivery on the NYMEX ended \$0.34 lower on the week to settle at \$56.22 per barrel. The price for crude oil futures is \$2.58, or 4.8 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$56.22 is \$4.93, or 8.1 percent, lower.
- Domestic crude production was slightly higher relative to the prior week at 12.1 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.4 MMB/D. Total crude imports were up over the prior week at approximately 7 MMB/D. Imports at this time last year were approximately 8 MMB/D.
- U.S. crude oil supplies increased 7 MMB on the week to 452.9 MMB. U.S. supplies are 27 MMB higher compared to this time last year.
- U.S. refinery crude runs were higher relative to the prior week with refiners processing approximately 16 MMB/D. U.S. refinery capacity utilization was higher on the week at 87.5 percent. Last year at this time, capacity use stood at 88 percent.



- Gasoline output was higher on the week at approximately 9.9 MMB/D. Output was approximately 9.9 MMB/D at this time last year. Distillate output was higher than the prior week at approximately 4.9 MMB/D. Last year at this time, production stood at 4.6 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.4 MMB/D, up by about 0.9 percent compared to the same period last year.

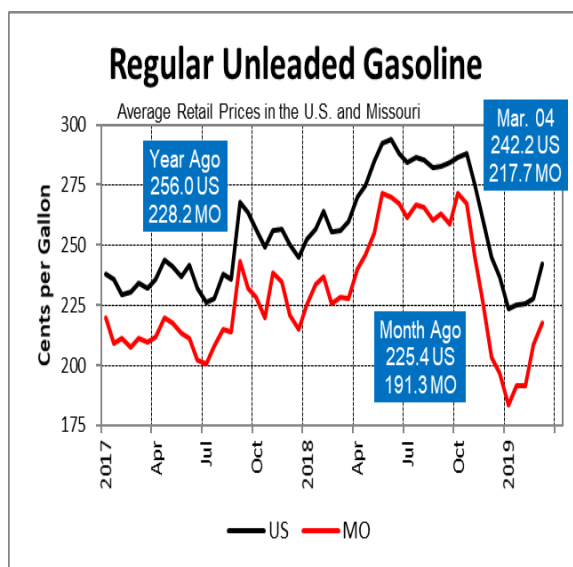
Transportation Fuels

On March 4, Missouri's statewide average retail price for gasoline was approximately \$2.18 per gallon, up 26.4 cents in the past month and down 10.5 cents in the past year.

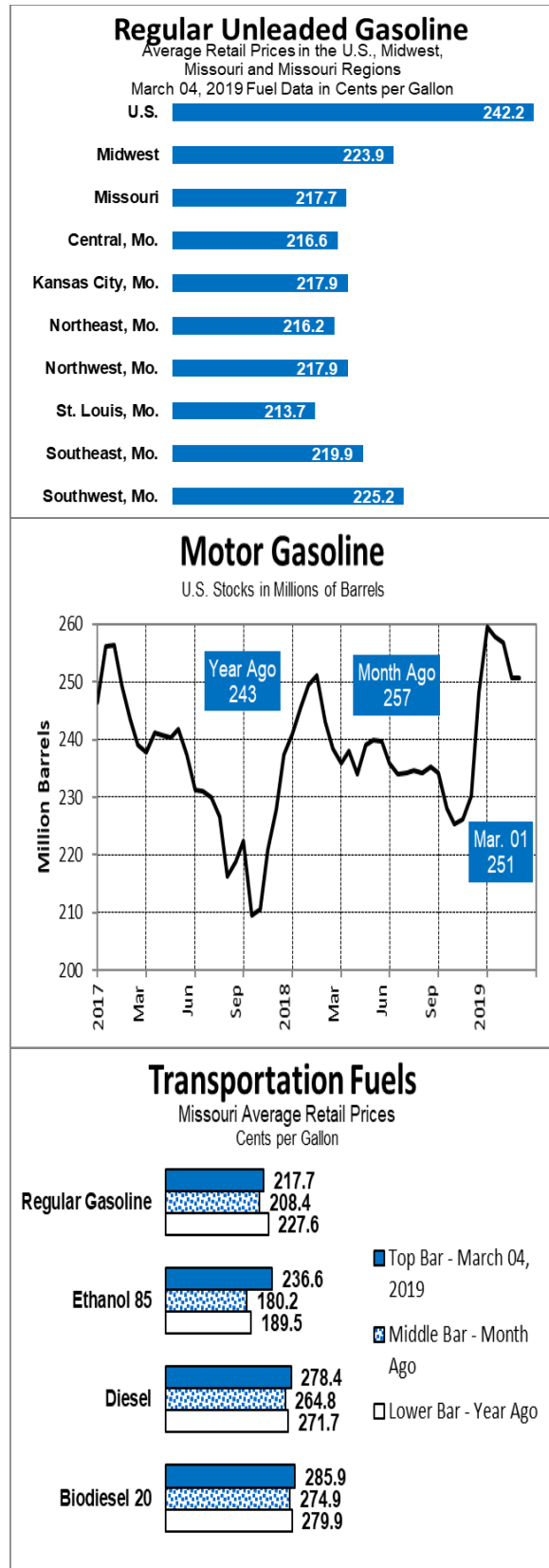
Regular Unleaded Gasoline - Retail Prices (cents per gallon)					
	03-04-19	02-04-19	change	03-05-18	change
US	242.2	225.4	up 7%	256.0	down 5%
Missouri	217.7	191.3	up 14%	228.2	down 5%

Diesel Fuel - Retail Prices (cents per gallon)					
	03-04-19	02-04-19	change	03-05-18	change
US	307.6	296.6	up 4%	299.2	up 3%
Missouri	278.4	261.9	up 6%	275.5	up 1%

- On March 4, Missouri's average retail price for gasoline was approximately \$2.18 per gallon, up 26.4 cents in the past month.
- Missouri's average price for diesel fuel was about \$2.78 per gallon, up 16.5 cents in the past month.
- Compared to last year at this time, Missouri's average retail gasoline price is 10.5 cents per gallon, or 5 percent, lower while the average retail diesel fuel price is 2.9 cents per gallon, or 1 percent, higher.
- At approximately \$2.42, the U.S. average price for regular gasoline is 16.8 cents per gallon, or 7 percent, higher compared to last month.
- The U.S. average price for regular gasoline is 13.8 cents per gallon, or 5 percent, lower compared to this time last year. In the past week, the U.S. average increased by 3.2 cents per gallon.
- Gasoline imports increased from the prior week at approximately 0.56 MMB/D. Last year at this time, imports stood at approximately 0.61 MMB/D.
- Implied demand for gasoline was higher on the week at approximately 9.1 MMB/D. Demand stood at approximately 9.3 MMB/D at this time last year.



- In the past four weeks, U.S. gasoline demand has averaged approximately 8.9 MMB/D.
- U.S. gasoline supplies were down 4.2 MMB on the week at 250.7 MMB. U.S. supplies are 0.3 MMB lower than this time last year.
- Distillate stocks decreased 2.4 MMB on the week at 136 MMB and stand 1.4 MMB lower compared to the same period last year.
- Distillate demand was higher on the week at approximately 4.1 MMB/D. Demand stood at approximately 3.9 MMB/D at this time last year. On a four-week average, distillate demand was lower at approximately 4.1 MMB/D.
- On March 4, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was \$2.37 per gallon, 18.9 cents per gallon, or 9 percent, higher than the average price for conventional motor gasoline.
- On February 19, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was \$2.86 per gallon, 7.5 cents per gallon, or 3 percent, higher than the average price for conventional diesel fuel.
- According to EIA's latest *Short Term Energy Outlook* dated February 12, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and have averaged \$2.47 in 2019, are projected to average \$2.56 in 2020.



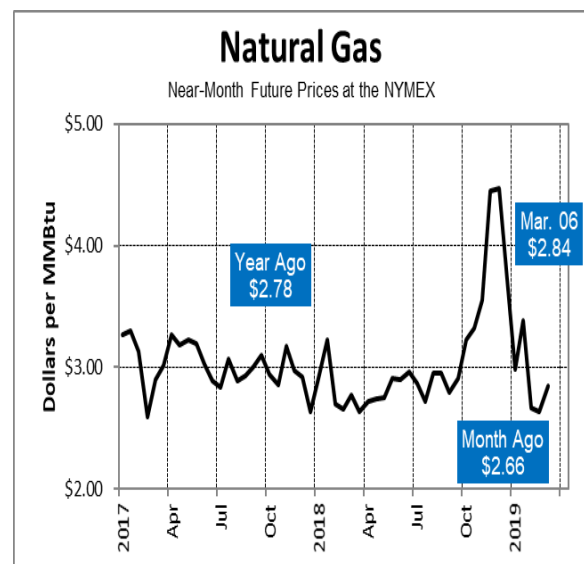
Natural Gas

Approximately 51 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On March 6, 2019, natural gas futures on the NYMEX closed at \$2.84 per million British thermal units (MMBtu), up approximately 18 cents, or 7 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	03-06-19	02-06-19	change	03-07-18	change
NYMEX	\$2.84	\$2.66	up 7%	\$2.78	up 2%

- The April 2019 NYMEX futures contract settled at \$2.84 per MMBtu on March 6, up \$0.04 from the February 27 settlement.
- In the past month, the futures contract has increased 18 cents, or 7 percent.
- Futures are up 6 cents, or 2 percent, in the past year.
- According to EIA's March 7, 2019 *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 1,390 billion cubic feet (Bcf), 14.9 percent lower than last year at this time and 25 percent lower than the five-year (2014–18) average for this week.
- According to the EIA, net withdrawals from working gas totaled 149 Bcf for the week ending March 1.
- Temperatures in the lower 48 states averaged colder than normal for the week ending March 6. Temperatures were much colder than normal across the Pacific, Mountain, and W N Central regions. Heating degree days nationally were above the normal and cooling degree days were approximately average.
- According to the EIA, total U.S. consumption of natural gas rose 11 percent for the week ending March 6 compared with the prior report week. In the residential and commercial sectors, consumption increased by 16 percent. Natural gas consumed for power generation climbed 9 percent week over week. Industrial sector consumption increased 5 percent week over week. Natural gas exports to Mexico decreased 1 percent over the week.



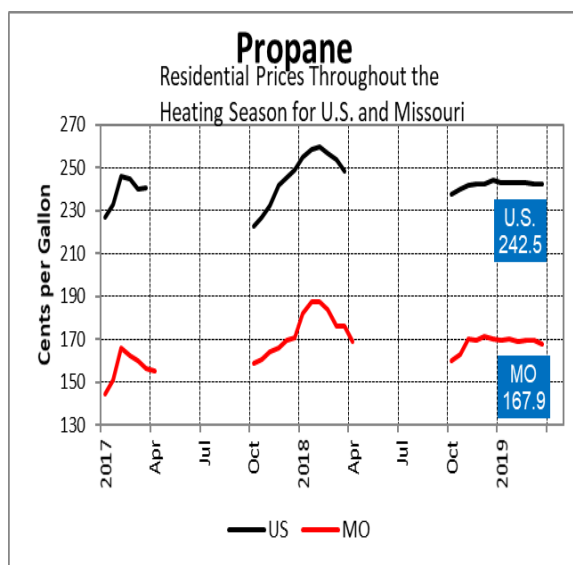
Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On March 4, the average Missouri retail price for residential propane was approximately \$1.68 per gallon, down 1.6 cents, or 1 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	<u>03-04-19</u>	<u>02-19-19</u>	<u>change</u>	<u>03-19-18</u>	<u>change</u>
Missouri	167.9	169.5	down 1%	176.1	down 5%

- According to the Division of Energy's most recent statewide propane price survey conducted February 19, the average Missouri retail residential propane price was approximately \$1.68 per gallon, down 8.2 cents compared to last year at this time.
- According to the survey, the highest Missouri retail residential price for propane was almost \$1.90 per gallon. The lowest retail price was \$1.39 per gallon.
- U.S. propane/propylene stocks decreased over the report week at 51.4 MMB as of March 1, 2019, 10.3 MMB, or 25 percent, higher than the year ago inventory level for this same time of year. Midwest inventories decreased by approximately 1.8 MMB to 10.6 MMB for the report week. Midwest inventories stood at approximately 9.9 MMB at the same time last year.
- U.S. propane consumption was approximately the same week over week at 1.6 MMB/D. Consumption stood at approximately 1.6 MMB/D at the same time last year.



For more information on propane, please visit: energy.mo.gov/resources/be-prepared-for-propane

To access previous issues of the Energy Bulletin, or to subscribe, please visit:
energy.mo.gov/energy-bulletins

To learn more about Missouri energy issues, please visit: energy.mo.gov/energy

For more information about the Comprehensive State Energy Plan, please visit:
energy.mo.gov/comprehensive-state-energy-plan

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects transportation and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers, other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web address: energy.mo.gov/energy-bulletins.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

March 22nd, 2019

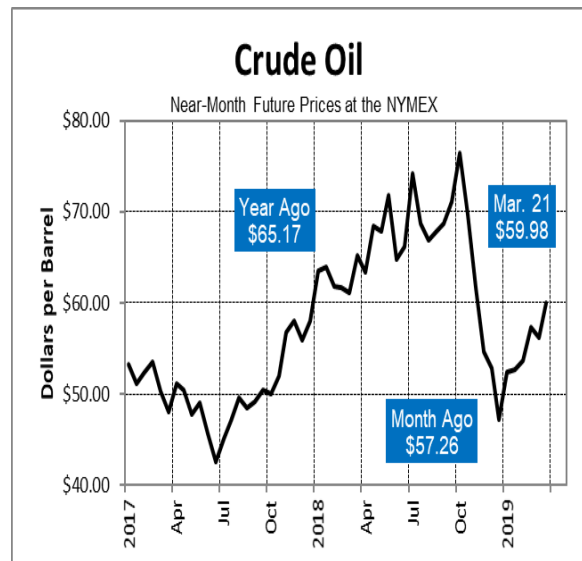
(Data are for the week ending March 15, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$2.72 to \$59.98 per barrel in the past month and are 8 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	03-21-19	02-22-19	change	03-21-18	change
NYMEX	\$59.98	\$57.26	up 5%	\$65.17	down 8%

- On March 21, Crude oil futures for April delivery on the NYMEX ended \$1.37 higher on the week to settle at \$59.98 per barrel. The price for crude oil futures is \$2.72, or 5 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$59.98 is \$5.19, or 8 percent, lower.
- Domestic crude production was slightly higher relative to the prior week at 12.1 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.4 MMB/D. Total crude imports were down over the prior week at approximately 6.6 MMB/D. Imports at this time last year were approximately 7.5 MMB/D.



- U.S. crude oil supplies decreased 9.6 MMB on the week to 439.5 MMB. U.S. supplies are 11.2 MMB higher compared to this time last year.
- U.S. refinery crude runs were higher relative to the prior week with refiners processing approximately 16.2 MMB/D. U.S. refinery capacity utilization was higher on the week at 88.9 percent. Last year at this time, capacity use stood at 92 percent.

- Gasoline output was higher on the week at approximately 9.9 MMB/D. Output was approximately 9.9 MMB/D at this time last year. Distillate output was higher than the prior week at approximately 4.9 MMB/D. Last year at this time, production stood at 4.5 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 21.1 MMB/D, up by about 2.8 percent compared to the same period last year.

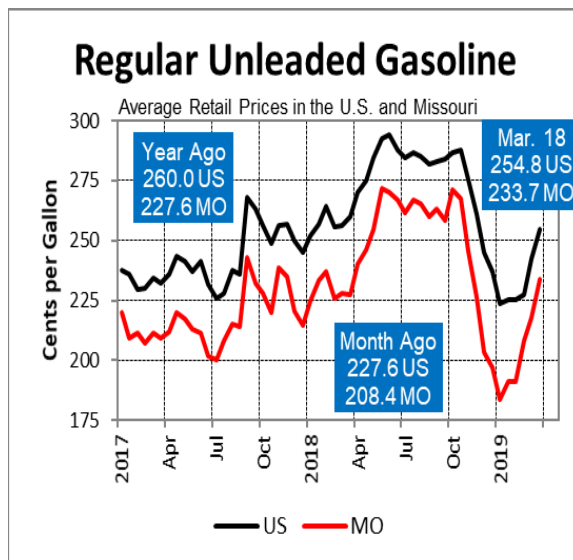
Transportation Fuels

On March 18, Missouri's statewide average retail price for gasoline was approximately \$2.34 per gallon, up 25.3 cents in the past month and up 6.1 cents in the past year.

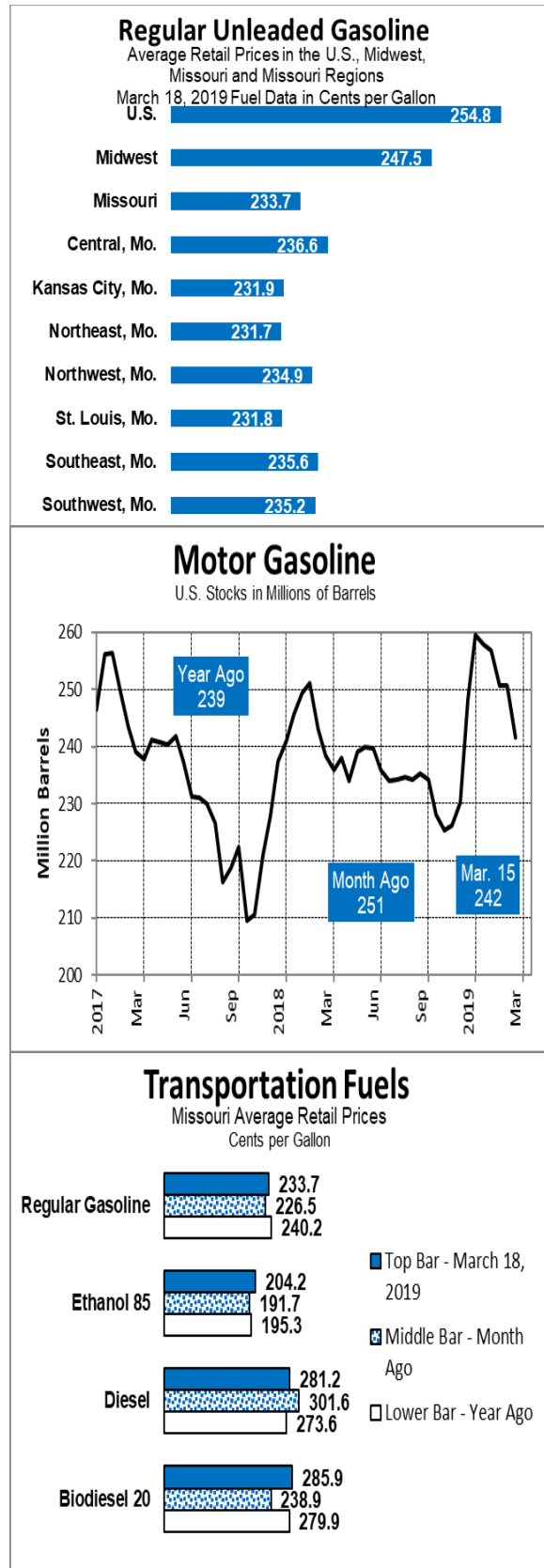
Regular Unleaded Gasoline - Retail Prices (cents per gallon)					
	03-18-19	02-19-19	change	03-19-18	change
US	254.8	227.6	up 12%	260.0	down 2%
Missouri	233.7	208.4	up 12%	227.6	up 3%

Diesel Fuel - Retail Prices (cents per gallon)					
	03-18-19	02-19-19	change	03-19-18	change
US	307.0	300.6	up 2%	297.2	up 3%
Missouri	281.2	264.8	up 6%	271.7	up 3%

- On March 18, Missouri's average retail price for gasoline was approximately \$2.34 per gallon, up 25.3 cents in the past month.
- Missouri's average price for diesel fuel was about \$2.81 per gallon, up 16.4 cents in the past month.
- Compared to last year at this time, Missouri's average retail gasoline price is 6.1 cents per gallon, or 3 percent, higher while the average retail diesel fuel price is 9.5 cents per gallon, or 3 percent, higher.
- At approximately \$2.55, the U.S. average price for regular gasoline is 27.2 cents per gallon, or 12 percent, higher compared to last month.
- The U.S. average price for regular gasoline is 5.2 cents per gallon, or 2 percent, lower compared to this time last year. In the past week, the U.S. average increased by 7.7 cents per gallon.
- Gasoline imports increased from the prior week at approximately 0.8 MMB/D. Last year at this time, imports stood at approximately 0.6 MMB/D.
- Implied demand for gasoline was higher on the week at approximately 9.4 MMB/D. Demand stood at approximately 9.3 MMB/D at this time last year.



- In the past four weeks, U.S. gasoline demand has averaged approximately 9.1 MMB/D.
- U.S. gasoline supplies were down 4.6 MMB on the week at 241.5 MMB. U.S. supplies are 1.6 MMB lower than this time last year.
- Distillate stocks decreased 4.2 MMB on the week at 132.2 MMB and stand 1.2 MMB higher compared to the same period last year.
- Distillate demand was higher on the week at approximately 4.7 MMB/D. Demand stood at approximately 3.9 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 4.2 MMB/D.
- On March 18, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was \$2.04 per gallon, 29.5 cents per gallon, or 13 percent, lower than the average price for conventional motor gasoline.
- On February 19, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was \$2.86 per gallon, 4.7 cents per gallon, or 2 percent, higher than the average price for conventional diesel fuel.
- According to EIA's latest *Short Term Energy Outlook* dated March 12, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and have averaged \$2.50 in 2019, are projected to average \$2.56 in 2020.

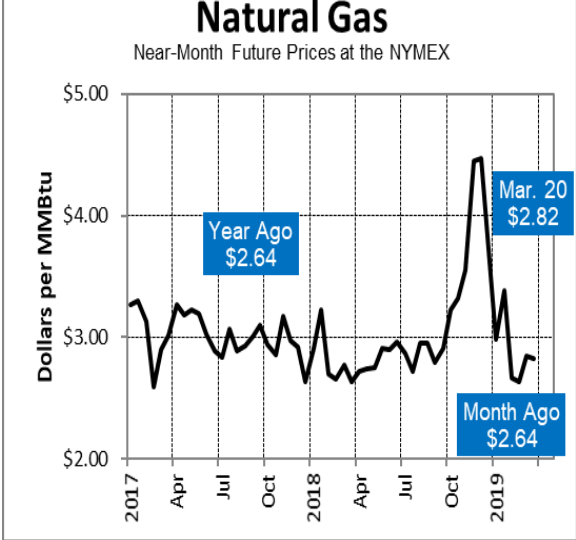


Natural Gas

Approximately 51 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On March 20, 2019, natural gas futures on the NYMEX closed at \$2.82 per million British thermal units (MMBtu), up approximately 18 cents, or 7 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	03-20-19	02-20-19	change	03-21-18	change
NYMEX	\$2.82	\$2.64	up 7%	\$2.64	up 7%

- The April 2019 NYMEX futures contract settled at \$2.82 per MMBtu on March 6, up 18 cents from the March settlement.
 - In the past month, the futures contract has increased 18 cents, or 7 percent.
 - Futures are up 18 cents, or 7 percent, in the past year.
 - According to EIA's March 7, 2019 *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 1,143 billion cubic feet (Bcf), 21.6 percent lower than last year at this time and 32.7 percent lower than the five-year (2014–18) average for this week.
- 
- According to the EIA, net withdrawals from working gas totaled 47 Bcf for the week ending March 15.
 - Temperatures in the lower 48 states averaged slightly cooler than normal for the week ending March 14. Temperatures were approximately average in the W N Central region and significantly warmer in the Pacific and Mountain regions. Heating-degree days nationally were three below the normal, while cooling-degree days were two above the normal.
 - According to the EIA, total U.S. consumption of natural gas fell by 8 percent for the week ending March 20 compared with the prior report week. In the residential and commercial sectors, consumption decreased by 17 percent. Natural gas consumed for power generation was unchanged week over week. Industrial sector consumption decreased 1 percent week over week. Natural gas exports to Mexico decreased 2 percent over the week.

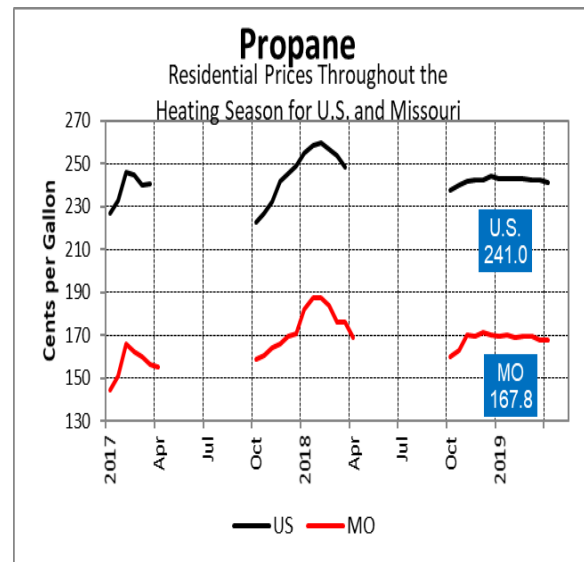
Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On March 18, the average Missouri retail price for residential propane was approximately \$1.68 per gallon, down 1.6 cents, or 1 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	<u>03-18-19</u>	<u>11-19-18</u>	<u>change</u>	<u>04-02-18</u>	<u>change</u>
Missouri	167.8	169.4	down 1%	168.8	down 1%

- According to the Division of Energy's most recent statewide propane price survey conducted February 19, the average Missouri retail residential propane price was approximately \$1.68 per gallon, down 1 cent compared to last year at this time.
- According to the survey, the highest Missouri retail residential price for propane was almost \$1.90 per gallon. The lowest retail price was \$1.39 per gallon.
- U.S. propane/propylene stocks increased over the report week at 51.1 MMB. As of March 15, 2019, U.S. propane/propylene stocks were 14.3 MMB, or 39 percent, higher than the year ago inventory level for this same time of year. Midwest inventories decreased by approximately 0.7 MMB to 8.6 MMB for the report week. Midwest inventories stood at approximately 9.9 MMB at the same time last year.
- U.S. propane consumption was slightly lower week over week at 1.3 MMB/D. Consumption stood at approximately 1.2 MMB/D at the same time last year.



For more information on propane, please visit: energy.mo.gov/resources/be-prepared-for-propane

To access previous issues of the Energy Bulletin, or to subscribe, please visit: energy.mo.gov/energy-bulletins

To learn more about Missouri energy issues, please visit: energy.mo.gov/energy

For more information about the Comprehensive State Energy Plan, please visit: energy.mo.gov/comprehensive-state-energy-plan

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects transportation and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers, other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web address: energy.mo.gov/energy-bulletins.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

April 10, 2019

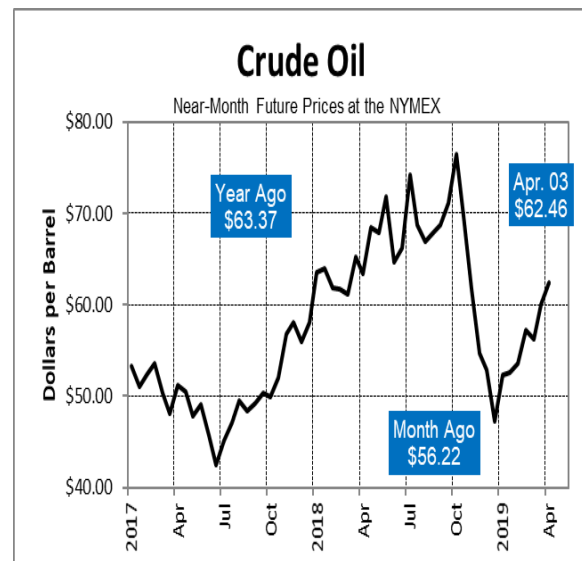
(Data are for the week ending March 29, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$8.18 to \$64.40 per barrel in the past month and are 2 percent higher compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	04-03-19	03-06-19	change	04-04-18	change
NYMEX	\$62.46	\$56.22	up 11%	\$63.37	down 1%

- On April 3, Crude oil futures for May delivery on the NYMEX ended \$3.16 higher on the week to settle at \$62.46 per barrel. The price for crude oil futures is \$6.24, or 11 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$62.46 is \$0.91, or 1 percent, lower.
- Domestic crude production was slightly higher relative to the prior week at 12.2 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.5 MMB/D. Total crude imports were up over the prior week at approximately 6.8 MMB/D. Imports at this time last year were approximately 7.9 MMB/D.



- U.S. crude oil supplies increased 7.2 MMB on the week to 449.5 MMB. U.S. supplies are 24.2 MMB higher compared to this time last year.
- U.S. refinery crude runs were slightly higher relative to the prior week with refiners processing approximately 15.8 MMB/D. U.S. refinery capacity utilization was lower on the week at 86.4 percent. Last year at this time, capacity use stood at 93 percent.

- Gasoline output was higher on the week at approximately 9.8 MMB/D. Output was approximately 10.1 MMB/D at this time last year. Distillate output was slightly lower than the prior week at approximately 4.9 MMB/D. Last year at this time, production stood at 5 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.6 MMB/D, down by about 1.6 percent compared to the same period last year.

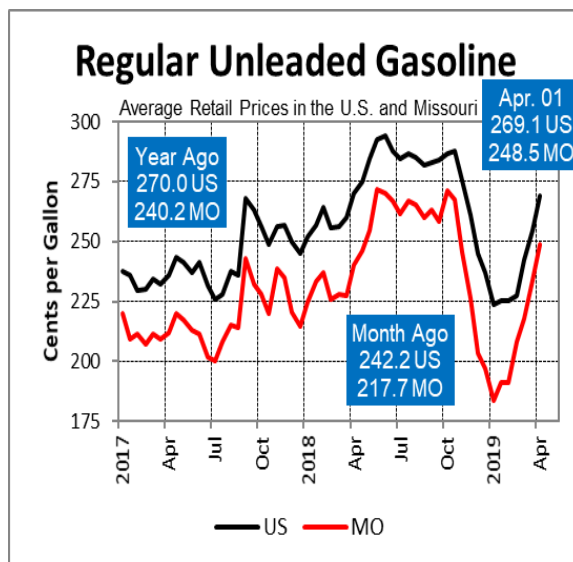
Transportation Fuels

On April 1, Missouri's statewide average retail price for gasoline was approximately \$2.49 per gallon, up 30.8 cents in the past month and up 8.3 cents in the past year.

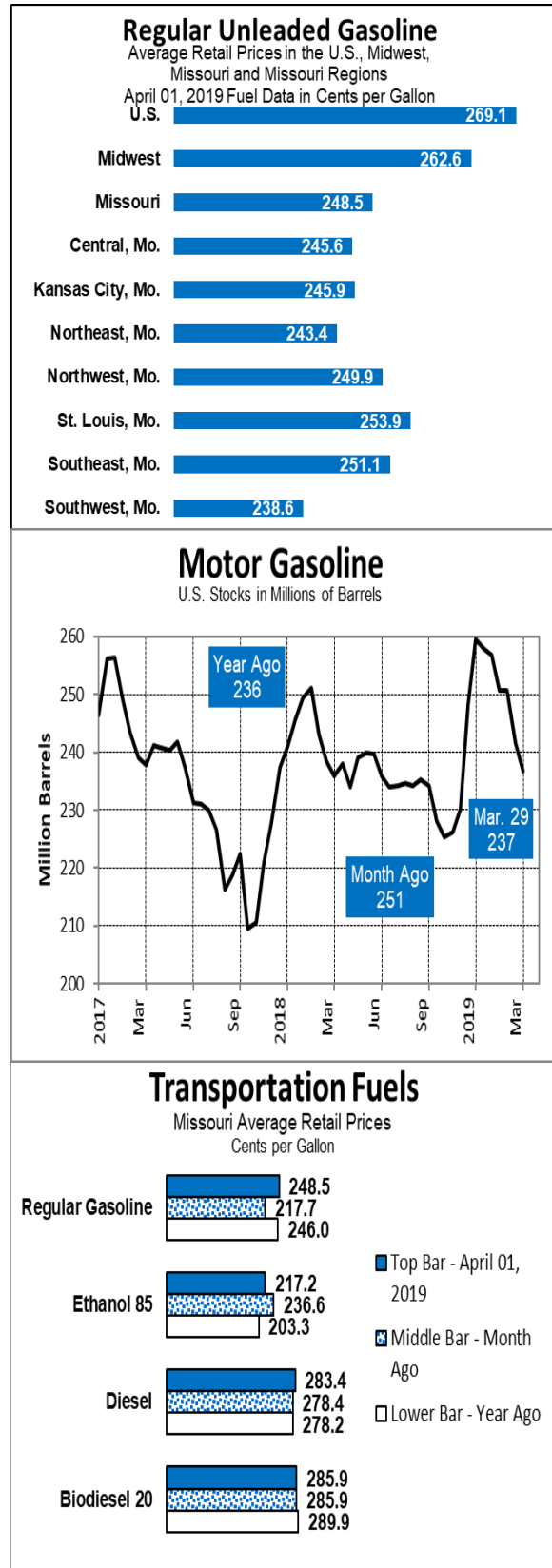
Regular Unleaded Gasoline - Retail Prices (cents per gallon)					
	04-01-19	03-04-19	change	04-02-18	change
US	269.1	242.2	up 11%	270.0	down 0%
Missouri	248.5	217.7	up 14%	240.2	up 3%

Diesel Fuel - Retail Prices (cents per gallon)					
	04-01-19	03-04-19	change	04-02-18	change
US	309.3	307.6	up 1%	304.2	up 2%
Missouri	283.4	278.4	up 2%	273.6	up 4%

- On April 1, Missouri's average retail price for gasoline was approximately \$2.49 per gallon, up 30.8 cents in the past month.
- Missouri's average price for diesel fuel was about \$2.83 per gallon, up 5 cents in the past month.
- Compared to last year at this time, Missouri's average retail gasoline price is 8.3 cents per gallon, or 3 percent, higher while the average retail diesel fuel price is 9.8 cents per gallon, or 4 percent, higher.
- At approximately \$2.69, the U.S. average price for regular gasoline is 26.9 cents per gallon, or 11 percent, higher compared to last month.
- The U.S. average price for regular gasoline is 0.9 cents per gallon, or less than 1 percent, lower compared to this time last year. In the past week, the U.S. average increased by 6.8 cents per gallon.
- Gasoline imports increased from the prior week at approximately 0.7 MMB/D. Last year at this time, imports stood at approximately 0.8 MMB/D.
- Implied demand for gasoline was higher on the week at approximately 9.1 MMB/D. Demand stood at approximately 9.2 MMB/D at this time last year.



- In the past four weeks, U.S. gasoline demand has averaged approximately 9.2 MMB/D.
- U.S. gasoline supplies were down 2.0 MMB on the week at 236.8 MMB. U.S. supplies are 1.7 MMB lower than this time last year.
- Distillate stocks decreased 2.0 MMB on the week at 128.2 MMB and stand 1.3 MMB lower compared to the same period last year.
- Distillate demand was lower on the week at approximately 4.2 MMB/D. Demand stood at approximately 3.9 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 4.3 MMB/D.
- On April 1, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was \$2.17 per gallon, 31.3 cents per gallon, or 12.6 percent lower than the average price for conventional motor gasoline.
- On April 1, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was \$2.86 per gallon, 2.5 cents per gallon, or less than 1 percent, higher than the average price for conventional diesel fuel.
- According to EIA's latest *Short Term Energy Outlook* dated April 9, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and have averaged \$2.60 in 2019, are projected to average \$2.57 in 2020.



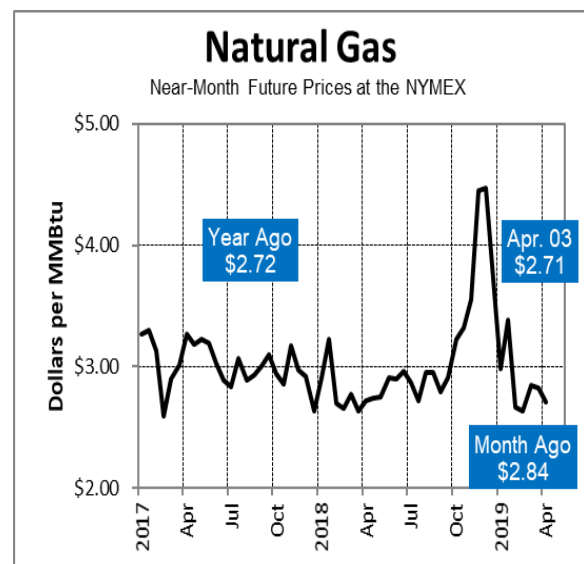
Natural Gas

Approximately 51 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On April 3, 2019, natural gas futures on the NYMEX closed at \$2.71 per million British thermal units (MMBtu), down approximately 13 cents, or 5 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	04-03-19	03-06-19	change	04-04-18	change
NYMEX	\$2.71	\$2.84	down 5%	\$2.72	down 0%

- The May 2019 NYMEX futures contract settled at \$2.71 per MMBtu on April 3, up 13 cents from the March 6 settlement.
- In the past month, the futures contract has decreased 13 cents, or 5 percent.
- Futures are down 1 cent, or less than 1 percent, in the past year.
- According to EIA's March 29, 2019 *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 1,130 billion cubic feet (Bcf), 16.8 percent lower than last year at this time and 30.9 percent lower than the five-year (2014–18) average for this week.
- According to the EIA, net withdrawals from working gas totaled 23 Bcf for the week ending March 29.
- Temperatures in the lower 48 states averaged warmer than normal for the week ending March 28. Temperatures were significantly warmer than normal in the W N Central, W S Central, and Mountain regions. Heating degree-days nationally were two below the normal, while cooling degree-days were one below the normal.
- According to the EIA, total U.S. consumption of natural gas fell by 4 percent for the week ending April 3 compared with the prior report week. In the residential and commercial sectors, consumption decreased by 12 percent. Natural gas consumed for power generation increased 2 percent week over week. Industrial sector consumption decreased 1 percent week over week. Natural gas exports to Mexico increased 2 percent over the week.



Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On April 1, the average Missouri retail price for residential propane was approximately \$1.62 per gallon, down 6.3 cents, or 4 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	04-01-19	03-04-19	change	04-02-18	change
Missouri	161.6	167.9	down 4%	168.8	down 4%

- According to the Division of Energy's most recent statewide propane price survey conducted April 1, the average Missouri retail residential propane price was approximately \$1.62 per gallon.
- According to the survey, the highest Missouri retail residential price for propane was \$1.90 per gallon. The lowest retail price was \$1.40 per gallon.
- U.S. propane/propylene stocks increased over the report week at 53.2 MMB. As of March 29, 2019, U.S. propane/propylene stocks were 16.9 MMB, or 47 percent, higher than the year ago inventory level for this same time of year. Midwest inventories increased by approximately 0.1 MMB to 8.9 MMB for the report week. Midwest inventories stood at approximately 9.3 MMB at the same time last year.
- U.S. propane consumption was slightly lower week over week at 1.1 MMB/D. Consumption stood at approximately 1.4 MMB/D at the same time last year.

For more information on propane, please visit: energy.mo.gov/resources/be-prepared-for-propane

To access previous issues of the Energy Bulletin, or to subscribe, please visit:
energy.mo.gov/energy-bulletins

To learn more about Missouri energy issues, please visit: energy.mo.gov/energy

For more information about the Comprehensive State Energy Plan, please visit:
energy.mo.gov/comprehensive-state-energy-plan

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects transportation and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers, other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web address: energy.mo.gov/energy-bulletins.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

April 24, 2019

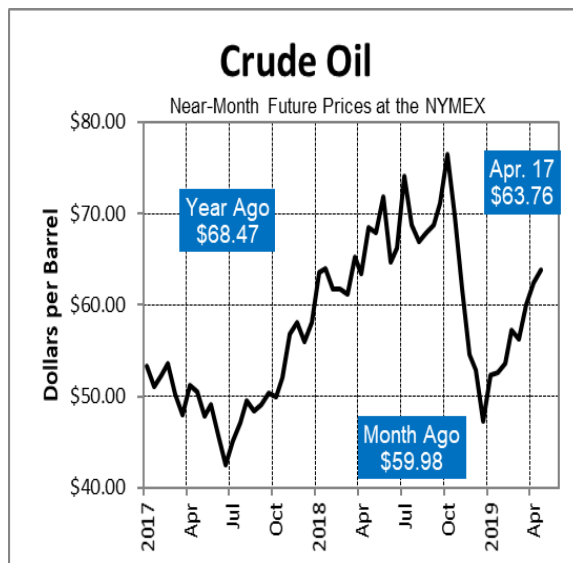
(Data are for the week ending April 12, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$3.78 to \$63.76 per barrel in the past month and are 7 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	04-17-19	03-21-19	change	04-18-18	change
NYMEX	\$63.76	\$59.98	up 6%	\$68.47	down 7%

- On April 17 Crude oil futures for May delivery on the NYMEX ended \$0.85 lower on the week to settle at \$63.76 per barrel. The price for crude oil futures is \$3.78, or 6 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$63.76 is \$4.71, or 7 percent, lower.
- Domestic crude production was slightly lower relative to the prior week at 12.1 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.5 MMB/D.
- Total crude imports were down over the prior week at approximately 6 MMB/D. Imports at this time last year were approximately 7.9 MMB/D.
- U.S. crude oil supplies decreased 1.4 MMB on the week to 455.2 MMB. U.S. supplies are 27.6 MMB higher compared to this time last year.
- U.S. refinery crude runs were unchanged relative to the prior week with refiners processing approximately 12.2 MMB/D. U.S. refinery capacity utilization was slightly lower on the week at 87.0 percent. Last year at this time, capacity use stood at 92.8 percent.



- Gasoline output was lower on the week at approximately 9.9 MMB/D. Output was approximately 10.2 MMB/D at this time last year. Distillate output was slightly lower than the prior week at approximately 4.8 MMB/D. Last year at this time, production stood at 5.1 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.1 MMB/D, down by about 3.6 percent compared to the same period last year.

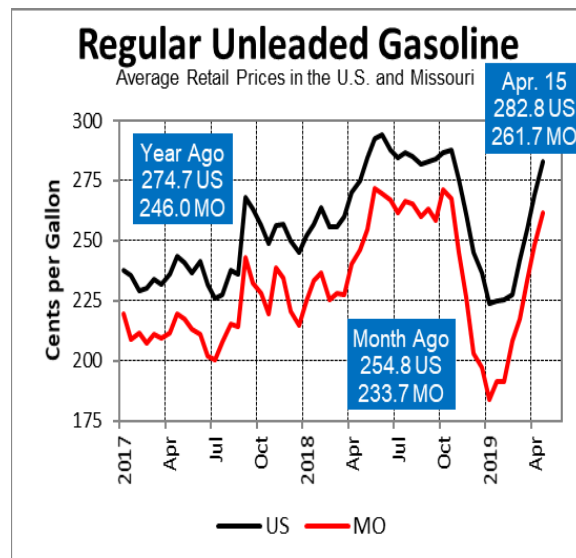
Transportation Fuels

On April 15, Missouri's statewide average retail price for gasoline was approximately \$2.62 per gallon, up 28 cents in the past month and up 15.7 cents in the past year.

Regular Unleaded Gasoline - Retail Prices (cents per gallon)					
	04-15-19	03-18-19	change	04-16-18	change
US	282.8	254.8	up 11%	274.7	up 3%
Missouri	261.7	233.7	up 12%	246.0	up 6%

Diesel Fuel - Retail Prices (cents per gallon)					
	04-15-19	03-18-19	change	04-16-18	change
US	311.8	307.0	up 2%	310.4	up 0%
Missouri	285.1	281.2	up 1%	278.2	up 2%

- On April 15, Missouri's average retail price for gasoline was approximately \$2.62 per gallon, up 28 cents in the past month.
- Missouri's average price for diesel fuel was about \$2.85 per gallon, up 3.9 cents in the past month.
- Compared to last year at this time, Missouri's average retail gasoline price is 15.7 cents per gallon, or 6 percent, higher while the average retail diesel fuel price is 6.9 cents per gallon, or 2 percent, higher.
- At approximately \$2.83, the U.S. average price for regular gasoline is 28 cents per gallon, or 11 percent, higher compared to last month.

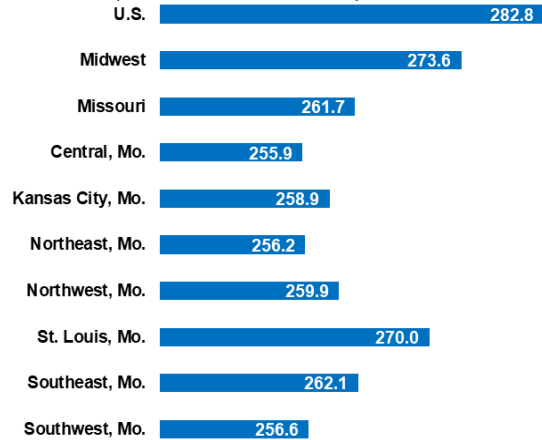


- The U.S. average price for regular gasoline is 8.1 cents per gallon, or 3 percent, higher compared to this time last year. In the past week, the U.S. average increased by 8.3 cents per gallon.
- Gasoline imports increased from the prior week at approximately 1.0 MMB/D. Last year at this time, imports stood at approximately 0.7 MMB/D.
- Implied demand for gasoline was lower on the week at approximately 9.4 MMB/D. Demand stood at approximately 9.9 MMB/D at this time last year.

- In the past four weeks, U.S. gasoline demand has averaged approximately 9.4 MMB/D.
- U.S. gasoline supplies were down 1.1 MMB on the week at 228.0 MMB. U.S. supplies are 8.0 MMB lower than this time last year.
- Distillate stocks decreased 0.4 MMB on the week at 127.7 MMB and stand 2.4 MMB higher compared to the same period last year. On a four-week average, distillate demand was lower at approximately 3.9 MMB/D.
- Distillate demand was lower on the week at approximately 3.6 MMB/D. Demand stood at approximately 4.4 MMB/D at this time last year. On a four-week average, distillate demand was lower at approximately 3.9 MMB/D.
- On April 15, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was \$2.28 per gallon, 33.9 cents per gallon, or 13 percent, lower than the average price for conventional motor gasoline.
- On April 15, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was \$2.90 per gallon, 4.8 cents per gallon, or 2 percent, higher than the average price for conventional diesel fuel.
- According to the U.S. Energy Information Administration's (EIA) latest *Short Term Energy Outlook* dated April 9, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and averaged \$2.60 to date in 2019, are projected to average \$2.57 in 2020.

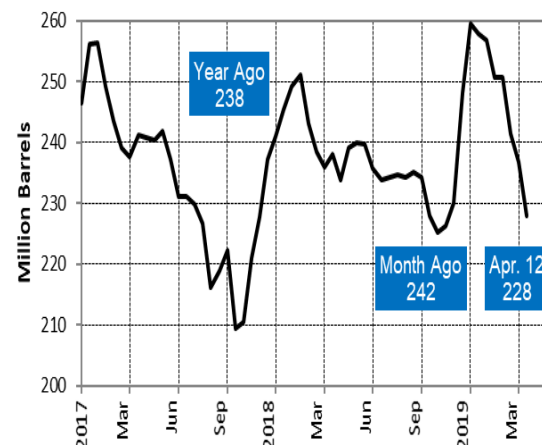
Regular Unleaded Gasoline

Average Retail Prices in the U.S., Midwest, Missouri and Missouri Regions
April 15, 2019 Fuel Data in Cents per Gallon



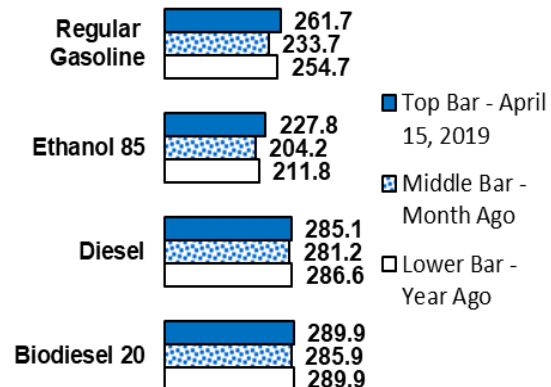
Motor Gasoline

U.S. Stocks in Millions of Barrels



Transportation Fuels

Missouri Average Retail Prices
Cents per Gallon



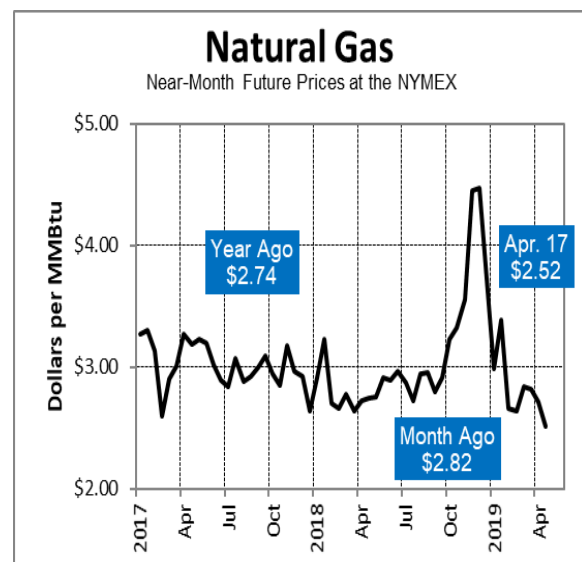
Natural Gas

Approximately 51 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On April 16, 2019, natural gas futures on the NYMEX closed at \$2.52 per million British thermal units (MMBtu), down approximately 30 cents, or 11 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	04-17-19	03-20-19	change	04-18-18	change
NYMEX	\$2.52	\$2.82	down 11%	\$2.74	down 8%

- The May 2019 NYMEX futures contract settled at \$2.52 per MMBtu on April 17, down 18 cents from the April 10 settlement.
- In the past month, the futures contract has decreased 13 cents, or 5 percent.
- Futures are down 22 cents, or 8 percent, in the past year.
- According to EIA's April 18, 2019 *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 1247 billion cubic feet (Bcf), 4.4 percent lower than last year at this time and 25 percent lower than the five-year (2014–18) average for this week.



- According to the EIA, net injections to working gas totaled 92 Bcf for the week ending April 12.
- Temperatures in the lower 48 states averaged warmer than normal for the eastern half of the U.S. and cooler than normal for the western U.S. for the week ending April 17. Heating-degree days nationally were 30 below the normal, while cooling-degree days were six above the normal.
- According to the EIA, total U.S. consumption of natural gas was unchanged compared with the prior report week. In the residential and commercial sectors, consumption increased by 2 percent. Natural gas consumed for power generation decreased by 3 percent week over week. Industrial sector consumption increased 1 percent week over week. Natural gas exports to Mexico decreased 20 percent over the week because of maintenance on the NET Mexico pipeline in South Texas.

Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On April 1, the average Missouri retail price for residential propane was approximately \$1.62 per gallon, down 82.1 cents, or 34 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	04-01-19	03-18-19	change	05-07-18	change
Missouri	161.6	243.7	down 34%	161.9	down <1%

- According to the Division of Energy's most recent statewide propane price survey conducted April 1, the average Missouri retail residential propane price was approximately \$1.62 per gallon.
- According to the survey, the highest Missouri retail residential price for propane was \$1.90 per gallon. The lowest retail price was \$1.40 per gallon.
- U.S. propane/propylene stocks increased over the prior report week at 56.7 MMB. As of April 12, 2019, U.S. propane/propylene stocks were 20.9 MMB, or 58 percent, higher than the year ago inventory level for this same time of year. Midwest inventories increased by approximately 0.3 MMB to 9.4 MMB for the report week. Midwest inventories stood at approximately 9 MMB at the same time last year.
- U.S. propane consumption was lower week over week at 0.9 MMB/D. Consumption stood at approximately 1.3 MMB/D at the same time last year.

For more information on propane, please visit: energy.mo.gov/resources/be-prepared-for-propane

To access previous issues of the Energy Bulletin, or to subscribe, please visit: energy.mo.gov/energy-bulletins

To learn more about Missouri energy issues, please visit: energy.mo.gov/energy

For more information about the Comprehensive State Energy Plan, please visit: energy.mo.gov/comprehensive-state-energy-plan

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects transportation and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers, other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web: energy.mo.gov/energy-bulletins.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

May 13, 2019

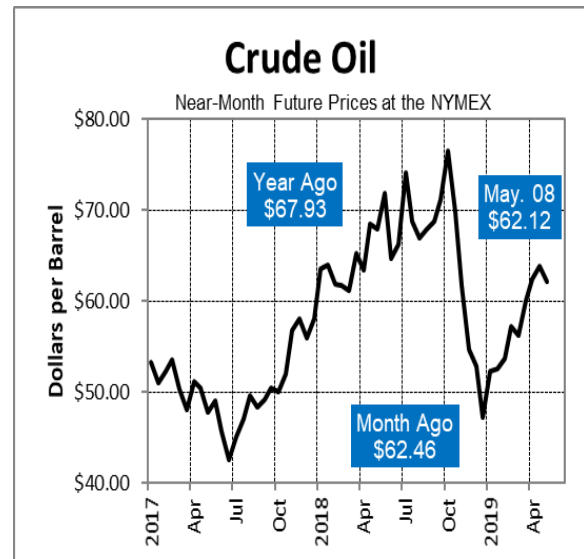
(Data is for the week ending May 3, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices decreased by 34 cents to \$62.12 per barrel in the past month and are 9 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	<u>05-08-19</u>	<u>04-03-19</u>	<u>change</u>	<u>05-02-18</u>	<u>change</u>
NYMEX	\$62.12	\$62.46	down 1%	\$67.93	down 9%

- On May 8 crude oil futures for June delivery on the NYMEX ended \$1.48 lower on the week to settle at \$62.12 per barrel. The price for crude oil futures is 34 cents, or 1 percent, below the month-ago level.
- Despite issues in Venezuela and Libya affecting global production levels, global economic growth has been slower than anticipated, resulting in an overall decrease in demand with corresponding market effects.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$62.12 is \$5.81, or 9 percent, lower.



- Domestic crude production was lower relative to the prior week at 12.2 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.7 MMB/D.
- Total crude imports were down over the prior week at approximately 6.7 MMB/D. Imports at this time last year were approximately 7.3 MMB/D.
- U.S. crude oil supplies decreased 4 MMB on the week to 466.6 MMB. U.S. supplies are 30.6 MMB higher compared to this time last year.

- U.S. refinery crude runs were lower relative to the prior week with refiners processing approximately 16.4 MMB/D. U.S. refinery capacity utilization was slightly higher on the week at 89 percent. Last year at this time, capacity use stood at 91.2 percent.
- Gasoline output was higher on the week at approximately 10.1 MMB/D. Output was approximately 10 MMB/D at this time last year. Distillate output was slightly lower than the prior week at approximately 5.1 MMB/D. Last year at this time, production stood at 5.0 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.2 MMB/D, down by about 0.3 percent compared to the same period last year.

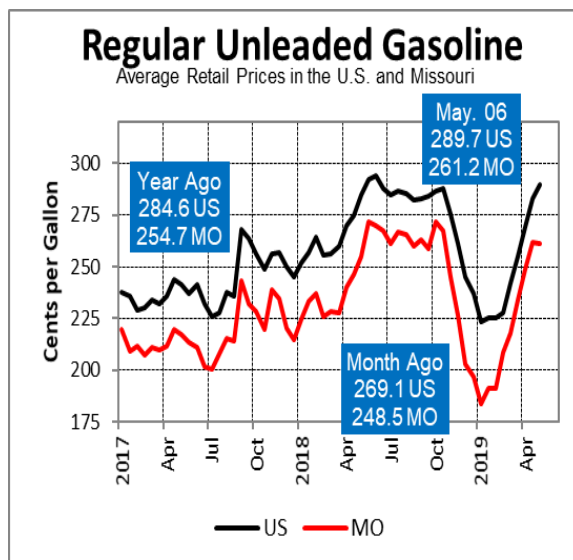
Transportation Fuels

On May 6, Missouri's statewide average retail price for gasoline was approximately \$2.61 per gallon, up 12.7 cents in the past month and up 6.5 cents in the past year.

Regular Unleaded Gasoline - Retail Prices (cents per gallon)					
	05-06-19	04-01-19	change	04-30-18	change
US	289.7	269.1	up 8%	284.6	up 2%
Missouri	261.2	248.5	up 5%	254.7	up 3%

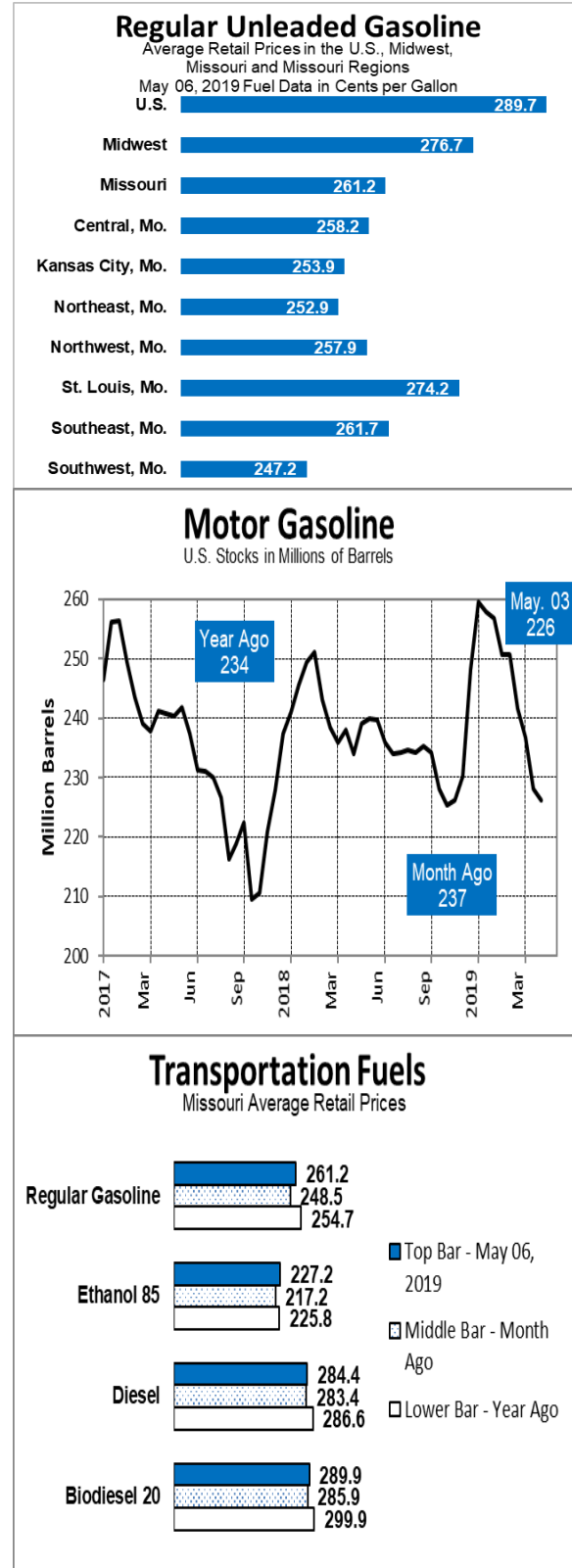
Diesel Fuel - Retail Prices (cents per gallon)					
	05-06-19	04-01-19	change	04-30-18	change
US	317.1	309.3	up 3%	315.7	up <1%
Missouri	284.4	283.4	up <1%	286.6	down 1%

- On May 6, Missouri's average retail price for gasoline was approximately \$2.61 per gallon, up 12.7 cents in the past month.
- Missouri's average price for diesel fuel was about \$2.84 per gallon, up 1 cent in the past month.
- Compared to last year at this time, Missouri's average retail gasoline price is 6.5 cents per gallon, or 3 percent, higher while the average retail diesel fuel price is 2.2 cents per gallon, or 1 percent, lower.
- At approximately \$2.90, the U.S. average price for regular gasoline is 20.6 cents per gallon, or 8 percent, higher compared to last month.
- The U.S. average price for regular gasoline is 5.1 cents per gallon, or 2 percent, higher compared to this time last year. In the past week, the U.S. average increased by 1 cent per gallon.
- Gasoline imports increased from the prior week at approximately 1.1 MMB/D. Last year at this time,



imports stood at approximately 0.8 MMB/D.

- Implied demand for gasoline was higher on the week at approximately 9.9 MMB/D. Demand stood at approximately 9.8 MMB/D at this time last year.
- In the past four weeks, U.S. gasoline demand has averaged approximately 9.5 MMB/D.
- U.S. gasoline supplies were down 0.6 MMB on the week at 226.1 MMB. U.S. supplies are 7.8 MMB lower than this time last year.
- Distillate stocks decreased 0.1 MMB on the week at 125.6 MMB and stand 10.6 MMB higher compared to the same period last year.
- Distillate demand was lower on the week at approximately 3.9 MMB/D. Demand stood at approximately 4.3 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 3.8 MMB/D.
- On May 6, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was \$2.27 per gallon, 34 cents per gallon, or 13 percent, lower than the average price for conventional motor gasoline.
- On May 6, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was \$2.90 per gallon, 5.5 cents per gallon, or 2 percent, higher than the average price for conventional diesel fuel.
- According to the U.S. Energy Information Administration's (EIA) latest *Short Term Energy Outlook* dated May 7, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and averaged \$2.74 to date in 2019, are projected to average \$2.75 in 2020.



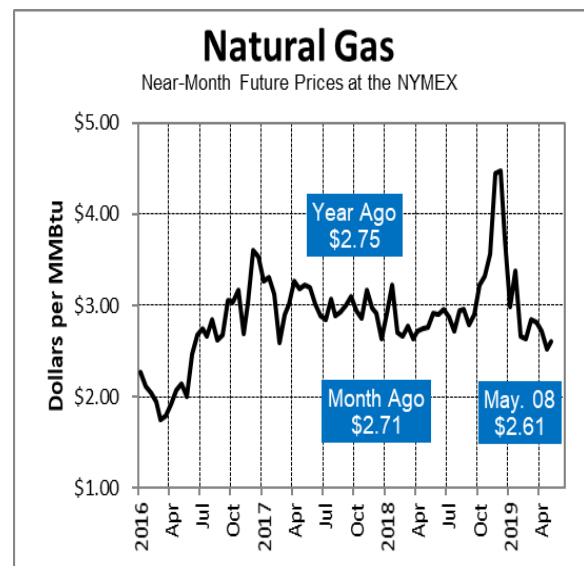
Natural Gas

Approximately 51 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On May 8, 2019, natural gas futures on the NYMEX closed at \$2.61 per million British thermal units (MMBtu), down approximately 10 cents, or 4 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	05-08-18	04-03-19	change	05-02-18	change
NYMEX	\$2.61	\$2.71	down 4%	\$2.75	down 5%

- The June 2019 NYMEX futures contract settled at \$2.61 per MMBtu on May 8, down 1 cent from the May 1 settlement.
- In the past month, the futures contract has decreased 10 cents, or 4 percent.
- Futures are down 14 cents, or 5 percent, in the past year.
- According to EIA's May 9, 2019 *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 1547 billion cubic feet (Bcf), 9 percent lower than last year at this time and 16 percent lower than the five-year (2014–18) average for this week.



- According to the EIA, net injections to working gas totaled 85 Bcf for the week ending May 3.
- Temperatures in the lower 48 states averaged warmer than normal for the southern half of the U.S. and cooler than normal for the northern half of the U.S. for the week ending May 2. Heating-degree days nationally were five above the normal, while cooling-degree days were three above the normal.
- According to the EIA, total U.S. consumption of natural gas fell 3 percent compared with the prior report week. In the residential and commercial sectors, consumption decreased by 16 percent. Natural gas consumed for power generation increased by 6 percent week over week. Industrial sector consumption decreased 2 percent week over week. Natural gas exports to Mexico were unchanged over the week.

Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On May 6, the average Missouri retail price for residential propane was approximately \$1.57 per gallon, down 4.9 cents, or 3 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	<u>05-06-19</u>	<u>04-01-19</u>	<u>change</u>	<u>05-21-18</u>	<u>change</u>
Missouri	156.6	161.6	down 3%	161.9	down 3%

- According to the Division of Energy's most recent statewide propane price survey conducted May 6, the average Missouri retail residential propane price was approximately \$1.57 per gallon.
- According to the survey, the highest Missouri retail residential price for propane was \$1.90 per gallon. The lowest retail price was \$1.26 per gallon.
- U.S. propane/propylene stocks increased over the prior report week at 60 MMB. As of May 3, 2019, U.S. propane/propylene stocks were 18.9 MMB, or 46 percent, higher than the year ago inventory level for this same time of year. Midwest inventories increased by approximately 0.8 MMB to 11.5 MMB for the report week. Midwest inventories stood at approximately 10.1 MMB at the same time last year.
- U.S. propane consumption was higher week over week at 0.7 MMB/D. Consumption stood at approximately 1.0 MMB/D at the same time last year.

For more information on propane, please visit: energy.mo.gov/resources/be-prepared-for-propane

To access previous issues of the Energy Bulletin, or to subscribe, please visit:
energy.mo.gov/energy-bulletins

To learn more about Missouri energy issues, please visit: energy.mo.gov/energy

For more information about the Comprehensive State Energy Plan, please visit:
energy.mo.gov/comprehensive-state-energy-plan

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects transportation and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers, other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web address: energy.mo.gov/energy-bulletins.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

June 3, 2019

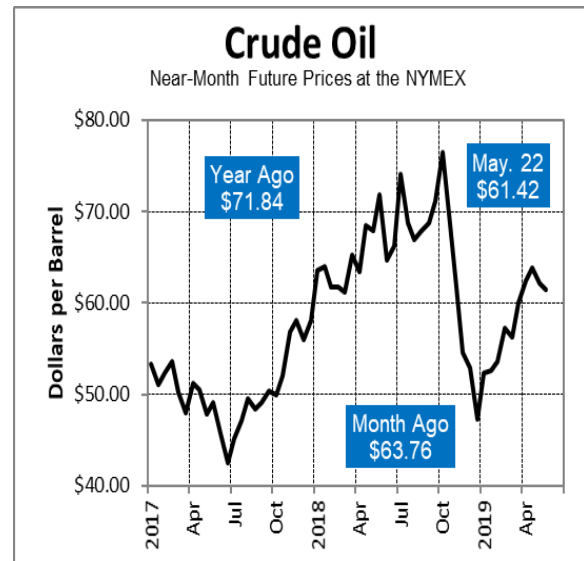
(Data are for the week ending May 17, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices decreased by \$2.34 to \$61.42 per barrel in the past month and are 15 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	05-22-19	04-17-19	change	05-23-18	change
NYMEX	\$61.42	\$63.76	down 4%	\$71.84	down 15%

- On May 22 crude oil futures for July delivery on the NYMEX ended 60 cents lower on the week to settle at \$61.42 per barrel. The price for crude oil futures is \$2.34, or 4 percent, below the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$61.42 is \$10.42, or 15 percent, lower.
- Venezuelan crude oil production is at its lowest since January 2003 but will have limited effects on the U.S., as imports of Venezuelan crude oil have been in decline.
- Domestic crude production was higher relative to the prior week at 12.3 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.7 MMB/D.
- Total crude imports were down over the prior week at approximately 6.9 MMB/D. Imports at this time last year were approximately 8.2 MMB/D.
- U.S. crude oil supplies increased 4.8 MMB on the week to 476.8 MMB. U.S. supplies are 38.7 MMB higher compared to this time last year.



- U.S. refinery crude runs were lower relative to the prior week with refiners processing approximately 16.6 MMB/D. U.S. refinery capacity utilization was slightly lower on the week at 89.9 percent. Last year at this time, capacity use stood at 91.8 percent.
- Gasoline output was lower on the week at approximately 9.9 MMB/D. Output was approximately 10.1 MMB/D at this time last year. Distillate output was slightly lower than the prior week at approximately 5.2 MMB/D. Last year at this time, production stood at 4.9 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 19.9 MMB/D, down by about 2.7 percent compared to the same period last year.

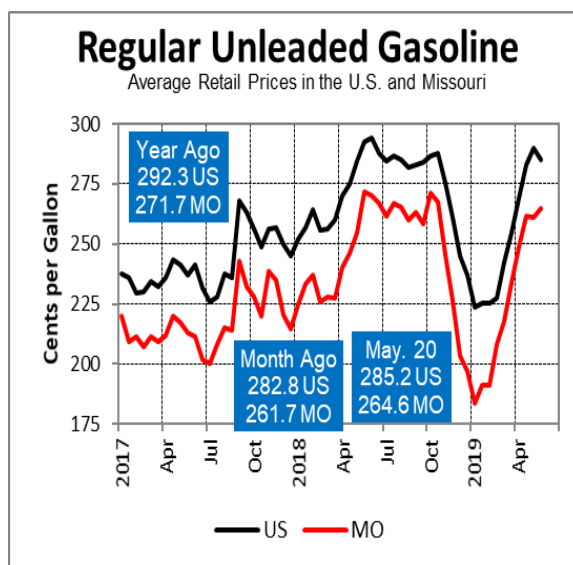
Transportation Fuels

On May 20, Missouri's statewide average retail price for gasoline was approximately \$2.65 per gallon, up 2.8 cents in the past month and down 7.1 cents in the past year.

Regular Unleaded Gasoline - Retail Prices (cents per gallon)					
	05-20-19	04-15-19	change	05-21-18	change
US	285.2	282.8	up 1%	292.3	down 2%
Missouri	264.6	261.7	up 1%	271.7	down 3%

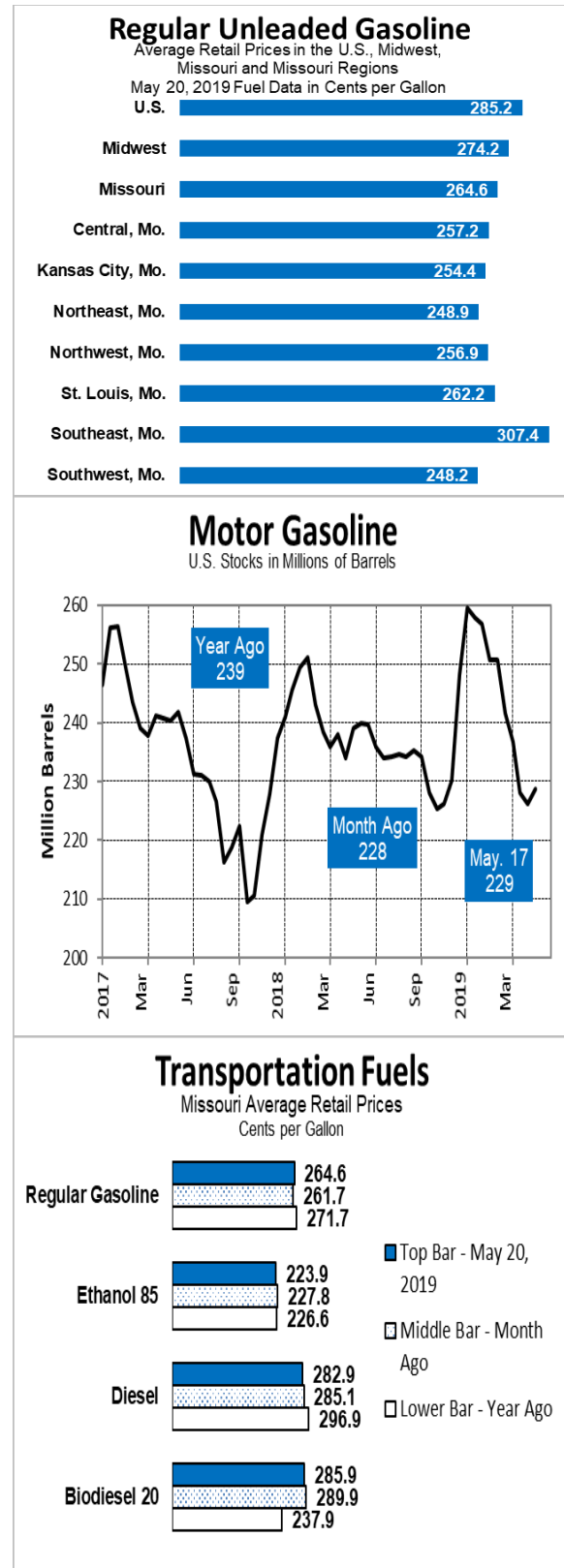
Diesel Fuel - Retail Prices (cents per gallon)					
	05-20-19	04-15-19	change	05-21-18	change
US	316.3	311.8	up 1%	327.7	down 3%
Missouri	282.9	285.1	down 1%	296.9	down 5%

- On May 20, Missouri's average retail price for gasoline was approximately \$2.65 per gallon, up 2.8 cents in the past month.
- Missouri's average price for diesel fuel was about \$2.83 per gallon, down 2.2 cents in the past month.
- Compared to last year at this time, Missouri's average retail gasoline price is 7.1 cents per gallon, or 3 percent, lower while the average retail diesel fuel price is 14 cents per gallon, or 5 percent, lower.
- At approximately \$2.85, the U.S. average price for regular gasoline is 2.4 cents per gallon, or 1 percent, higher compared to this past month.
- The U.S. average price for regular gasoline is 7.1 cents per gallon, or 2 percent, lower compared to this time last year. In the past week, the U.S. average decreased by 1.4 cents per gallon.
- Gasoline imports increased from the prior week at approximately 1.4 MMB/D. Last year at this time,



imports stood at approximately 1.1 MMB/D.

- Implied demand for gasoline was higher on the week at approximately 9.4 MMB/D. Demand stood at approximately 9.7 MMB/D at this time last year.
- In the past four weeks, U.S. gasoline demand has averaged approximately 9.4 MMB/D.
- U.S. gasoline supplies were up 3.7 MMB on the week at 228.7 MMB. U.S. supplies are 10.3 MMB lower than this time last year.
- Distillate stocks increased 0.8 MMB on the week at 126.4 MMB and stand 12.5 MMB higher compared to the same period last year.
- Distillate demand was lower on the week at approximately 3.8 MMB/D. Demand stood at approximately 3.6 MMB/D at this time last year. On a four-week average, distillate demand was slightly lower at approximately 4 MMB/D.
- On May 20, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was \$2.24 per gallon, 40.7 cents per gallon, or 15 percent, lower than the average price for conventional motor gasoline.
- On May 20, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was \$2.86 per gallon, 3 cents per gallon, or 1 percent, higher than the average price for conventional diesel fuel.
- According to the U.S. Energy Information Administration's (EIA) latest *Short Term Energy Outlook* dated May 7, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and averaged \$2.74 to date in 2019, are projected to average \$2.75 in 2020.



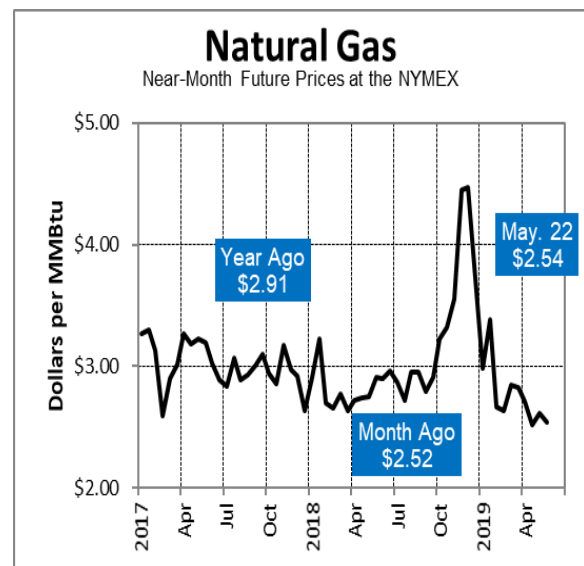
Natural Gas

Approximately 51 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On May 22, 2019, natural gas futures on the NYMEX closed at \$2.54 per million British thermal units (MMBtu), up approximately 2 cents, or 1 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	05-22-19	04-17-19	change	05-23-18	change
NYMEX	\$2.54	\$2.52	up 1%	\$2.91	down 13%

- The June 2019 NYMEX futures contract settled at \$2.54 per MMBtu on May 22, down 6 cents from the May 15 settlement.
- In the past month, the futures contract has increased 2 cents, or 1 percent.
- Futures are down 37 cents, or 13 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 1753 billion cubic feet (Bcf), 13 percent lower than last year at this time.
- According to the EIA, net injections to working gas totaled 100 Bcf for the week ending May 17.
- Temperatures in the lower 48 states averaged warmer than normal for the northwestern and southeastern portions of the U.S. and cooler than normal for the northeastern and southwestern portions of the U.S. for the week ending May 16. Heating-degree days nationally were nine above the normal, while cooling-degree days were two below the normal.
- According to the EIA, total U.S. consumption of natural gas fell 3 percent compared with the prior report week. In the residential and commercial sectors, consumption decreased by 17 percent. Natural gas consumed for power generation increased by 7 percent week over week. Industrial sector consumption decreased 2 percent week over week. Natural gas exports to Mexico decreased 4 percent over the week.



Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On May 6, the average Missouri retail price for residential propane was approximately \$1.57 per gallon, down 4.9 cents, or 3 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	05-06-19	04-01-19	change	05-21-18	change
Missouri	156.6	161.6	down 3%	161.9	down 3%

- According to the Division of Energy's most recent statewide propane price survey conducted May 6, the average Missouri retail residential propane price was approximately \$1.57 per gallon.
- According to the survey, the highest Missouri retail residential price for propane was \$1.90 per gallon. The lowest retail price was \$1.26 per gallon.
- On May 17, U.S. propane/propylene stocks had increased over the prior report week at 65.8 MMB. As of May 17, 2019, U.S. propane/propylene stocks were 18.7 MMB, or 40 percent, higher than the year ago inventory level for this same time of year. Midwest inventories increased by approximately 2.2 MMB to 13.3 MMB for the report week. Midwest inventories stood at approximately 12 MMB at the same time last year.
- U.S. propane consumption was slightly lower week over week at 0.5 MMB/D. Consumption stood at approximately 0.8 MMB/D at the same time last year.

For more information on propane, please visit: energy.mo.gov/resources/be-prepared-for-propane

To access previous issues of the Energy Bulletin, or to subscribe, please visit:
energy.mo.gov/energy-bulletins

To learn more about Missouri energy issues, please visit: energy.mo.gov/energy

For more information about the Comprehensive State Energy Plan, please visit:
energy.mo.gov/comprehensive-state-energy-plan

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects transportation and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers, other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web address: energy.mo.gov/comprehensive-state-energy-plan.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

June 25, 2019

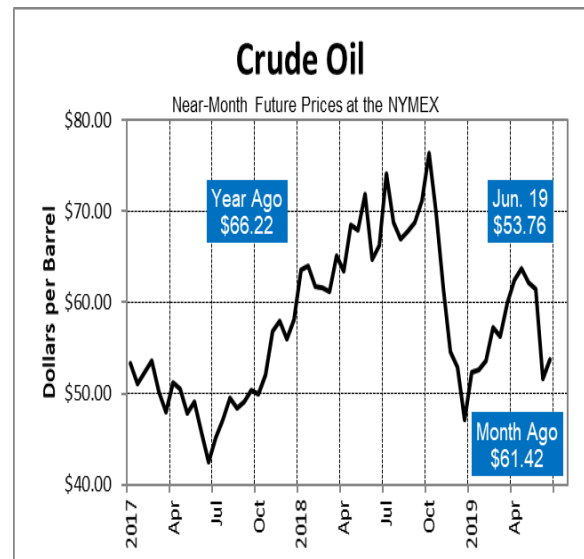
(Data are for the week ending June 14, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices decreased by \$7.66 to \$53.76 per barrel in the past month and are 19 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	06-19-19	05-22-19	change	06-20-18	change
NYMEX	\$53.76	\$61.42	down 12%	\$66.22	down 19%

- On June 19, crude oil futures for delivery on the NYMEX ended lower on the week to settle at \$53.76 per barrel. The price for crude oil futures is \$7.66, or 12 percent, below the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$53.76 is \$12.46, or 19 percent, lower.
- Despite China increasing its crude oil imports, Saudi Arabia's crude oil exports are lower partly because U.S. crude oil imports from Saudi Arabia reached a 31-year low.
- Domestic crude production was lower relative to the prior week at 12.2 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.9 MMB/D.
- Total crude imports were down over the prior week at approximately 7.5 MMB/D. Imports at this time last year were approximately 8.2 MMB/D.
- U.S. crude oil supplies decreased 3.1 MMB on the week to 482.4 MMB. U.S. supplies are 55.9 MMB higher compared to this time last year.



- U.S. refinery crude runs were higher relative to the prior week with refiners processing approximately 17.3 MMB/D. U.S. refinery capacity utilization was higher on the week at 93.9 percent. Last year at this time, capacity use stood at approximately 95 percent.
- Gasoline output was higher on the week at approximately 10.4 MMB/D. Output was approximately 10.1 MMB/D at this time last year. Distillate output was higher than the prior week at approximately 5.4 MMB/D. Last year at this time, production stood at 5.5 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.7 MMB/D, up by about 1.8 percent compared to the same period last year.

Transportation Fuels

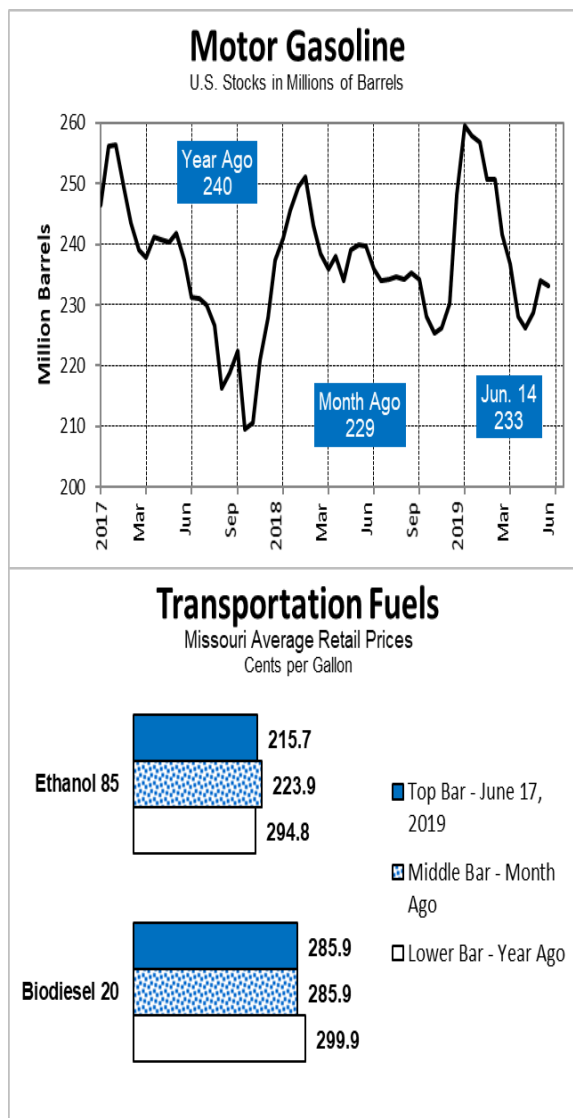
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php> To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum", and then click on the GASOLINE tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- At approximately \$2.67, the U.S. average price for regular gasoline is 18.3 cents per gallon, or 6 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 21 cents per gallon, or 7 percent, lower compared to this time last year. In the past week, the U.S. average decreased by 6.2 cents per gallon.
- Gasoline imports increased slightly from the prior week at approximately 0.8 MMB/D. Last year at this time, imports stood at approximately 0.9 MMB/D.
- Implied demand for gasoline was higher on the week at approximately 9.9 MMB/D. Demand stood at approximately 9.3 MMB/D at this time last year.
- In the past four weeks, U.S. gasoline demand has averaged approximately 9.7 MMB/D.

- U.S. gasoline supplies were down 1.7 MMB on the week at 233.2 MMB. U.S. supplies are 6.8 MMB lower than this time last year.
- Distillate stocks decreased 0.6 MMB on the week at 127.8 MMB and stand 10.4 MMB higher compared to the same period last year.
- Distillate demand was lower on the week at approximately 4.1 MMB/D. Demand stood at approximately 3.8 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 4.0 MMB/D.
- On June 17, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$2.16 per gallon.
- On June 17, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was almost \$2.86 per gallon.
- According to the U.S. Energy Information Administration's (EIA) latest *Short Term Energy Outlook* dated June 11, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and averaged \$2.64 to date in 2019, are projected to average \$2.75 in 2020.



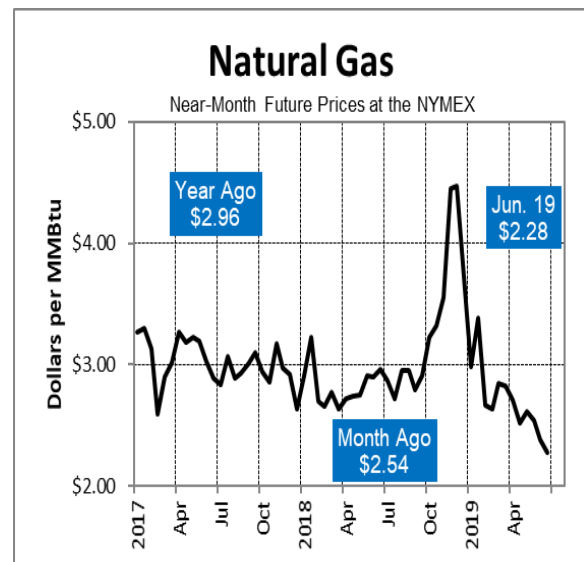
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On June 19, 2019, natural gas futures on the NYMEX closed at \$2.28 per million British thermal units (MMBtu), down approximately \$0.26, or 10 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	06-19-19	05-22-19	change	06-20-18	change
NYMEX	\$2.28	\$2.54	down 10%	\$2.96	down 23%

- The July 2019 NYMEX futures contract settled at \$2.28 per MMBtu on June 19, down \$0.11 from the June 12 settlement.
- In the past month, the futures contract has decreased 26 cents, or 10 percent.
- Futures are down \$0.68, or 23 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 2,203 billion cubic feet (Bcf), 11 percent higher than last year at this time.
- According to the EIA, net injections to working gas totaled 115 Bcf for the week ending June 14.
- Temperatures in the Lower 48 states averaged cooler than normal for the U.S. except for the persistent warm spell in the southwest. Heating degree days nationally were 2 below the normal, while cooling degree days were 1 below the normal.
- According to EIA, total U.S. consumption of natural gas fell 1 percent compared with the prior report week. In the residential and commercial sectors, consumption increased by 3 percent. Natural gas consumed for power generation decreased by 1 percent week over week. Industrial sector consumption decreased 2 percent week over week. Natural gas exports to Mexico increased 2 percent over the week.



Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On June 3, the average Missouri retail price for residential propane was approximately \$1.49 per gallon, down 8.0 cents, or 5 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	06-03-19	05-06-19	change	06-18-18	change
Missouri	148.6	156.6	down 5%	161.9	down 8%

- According to the Division of Energy's most recent statewide propane price survey conducted June 3, the average Missouri retail residential propane price was approximately \$1.49 per gallon.
- According to the survey, the highest Missouri retail residential price for propane was \$1.70 per gallon. The lowest retail price was \$1.16 per gallon.
- On June 14, U.S. propane/propylene stocks had increased over the prior report week at 74.5 MMB. As of June 14, 2019, U.S. propane/propylene stocks were 20.4 MMB, or 38 percent, higher than the year ago inventory level for this same time of year. Midwest inventories increased by approximately 1.1 MMB to 19.1 MMB for the report week. Midwest inventories stood at approximately 17.7 MMB at the same time last year.
- U.S. propane consumption was lower week over week at 0.6 MMB/D. Consumption stood at approximately 0.5 MMB/D at the same time last year.

For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web Address: <http://energy.mo.gov/energy/stay-informed/missouri-energy-bulletins>.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

July 8, 2019

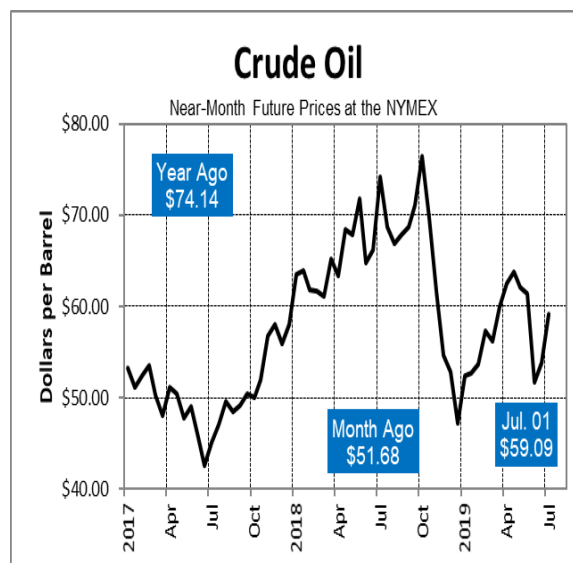
(Data are for the week ending June 28, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$7.41 to \$59.09 per barrel in the past month and are 20 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	07-01-19	06-05-19	change	07-03-18	change
NYMEX	\$59.09	\$51.68	up 14%	\$74.14	down 20%

- On July 1, crude oil futures for delivery on the NYMEX ended higher on the week to settle at \$59.09 per barrel. The price for crude oil futures is \$7.41, or 14 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$59.09 is \$15.05, or 20 percent, lower.
- On Friday, June 21, the Philadelphia Energy Solutions refinery in South Philadelphia experienced a major fire and explosion. The potential shutdown of the facility is likely to reconfigure petroleum product supply chains in the Central Atlantic.



- Domestic crude production was lower relative to the prior week at 12.2 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.9 MMB/D.
- Total crude imports were up over the prior week at approximately 7.6 MMB/D. Imports at this time last year were approximately 9.1 MMB/D.
- U.S. crude oil supplies decreased 1.1 MMB on the week to 468.5 MMB. U.S. supplies are 50.6 MMB higher compared to this time last year.

- U.S. refinery crude runs were lower relative to the prior week with refiners processing approximately 17.3 MMB/D. U.S. refinery capacity utilization was higher on the week at 94.2 percent. Last year at this time, capacity use stood at approximately 96.8 percent.
- Gasoline output was lower on the week at approximately 9.9 MMB/D. Output was approximately 10.3 MMB/D at this time last year. Distillate output was higher than the prior week at approximately 5.3 MMB/D. Last year at this time, production stood at 5.5 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.9 MMB/D, almost identical compared to the same period last year.

Transportation Fuels

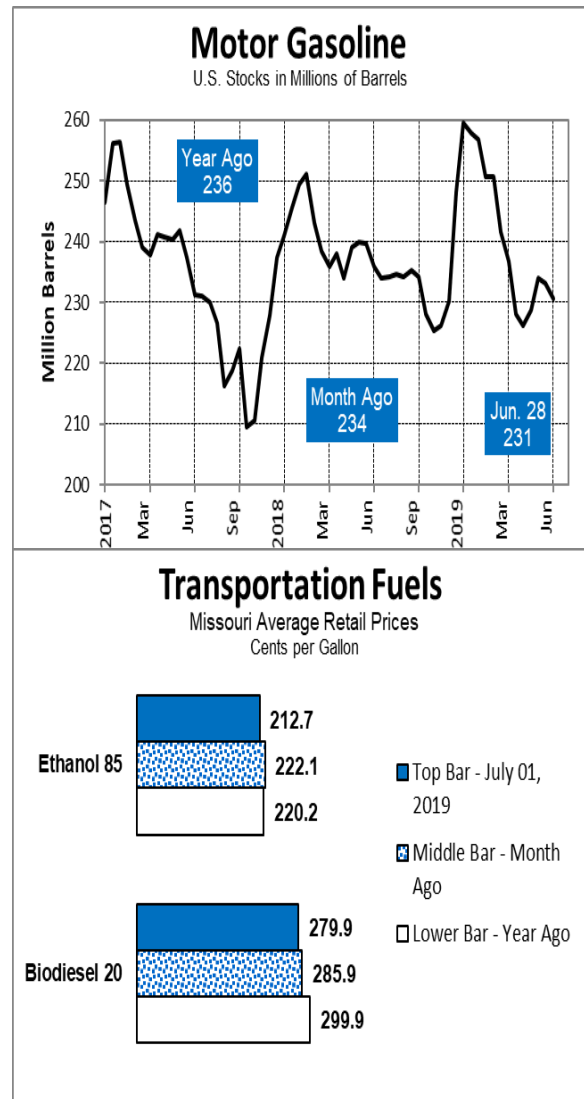
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>. To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- At approximately \$2.75, the U.S. average price for regular gasoline is 5.9 cents per gallon, or 2 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 9.6 cents per gallon, or 3 percent, lower compared to this time last year. In the past week, the U.S. average increased by 5.9 cents per gallon.
- Gasoline imports decreased from the prior week at approximately 0.5 MMB/D. Last year at this time, imports stood at approximately 0.6 MMB/D.
- Implied demand for gasoline was higher on the week at approximately 9.5 MMB/D. Demand stood at approximately 9.9 MMB/D at this time last year.
- In the past four weeks, U.S. gasoline demand has averaged approximately 9.7 MMB/D.

- U.S. gasoline supplies were down 1.6 MMB on the week at 230.6 MMB. U.S. supplies are 5.2 MMB lower than this time last year.
- Distillate stocks increased 1.4 MMB on the week at 126.8 MMB and stand 9.2 MMB higher compared to the same period last year.
- Distillate demand was lower on the week at approximately 3.8 MMB/D. Demand stood at approximately 4.1 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 4.1 MMB/D.
- On July 1, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$2.13 per gallon.
- On July 1, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was almost \$2.80 per gallon.
- According to the U.S. Energy Information Administration's (EIA) latest *Short Term Energy Outlook* dated June 11, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and averaged \$2.64 to date in 2019, are projected to average \$2.75 in 2020.



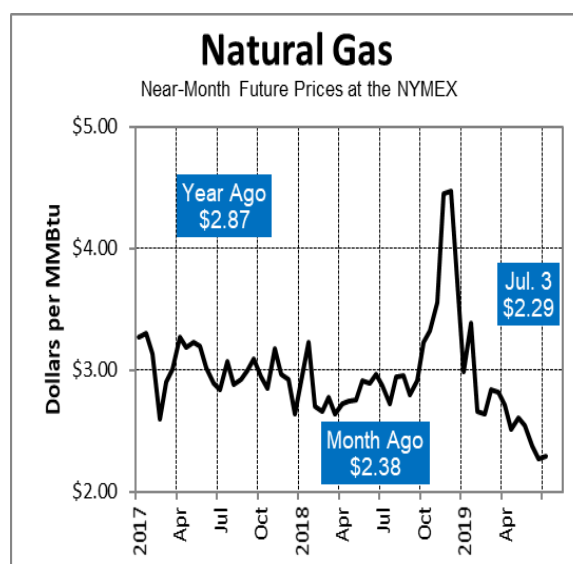
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On July 3, 2019, natural gas futures on the NYMEX closed at \$2.29 per million British thermal units (MMBtu), down approximately \$0.09, or 4 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	<u>07-03-19</u>	<u>06-05-19</u>	<u>change</u>	<u>07-04-18</u>	<u>change</u>
NYMEX	\$2.29	\$2.38	down 4%	\$2.87	down 20%

- The August 2019 NYMEX futures contract settled at \$2.29 per MMBtu on July 3, almost unchanged from the June 26 settlement.
- In the past month, the futures contract has decreased 9 cents, or 4 percent.
- Futures are down \$0.58, or 20 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 2,390 billion cubic feet (Bcf), 12 percent higher than last year at this time.
- According to the EIA, net injections to working gas totaled 89 Bcf for the week ending June 28.
- For the week ending June 20, temperatures in the Lower 48 states averaged cooler than normal for the Midwest and Eastern U.S., but warmer than normal for the Western U.S. Heating degree days nationally were approximately normal, while cooling degree days were 5 below the normal.
- According to EIA, total U.S. consumption of natural gas increased 4 percent compared with the prior report week. In the residential and commercial sectors, consumption decreased by 1 percent. Natural gas consumed for power generation increased by 8 percent week over week. Industrial sector consumption decreased 2 percent week over week. Natural gas exports to Mexico were unchanged over the week.



Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On July 1, the average Missouri retail price for residential propane was approximately \$1.41 per gallon, down 7.7 cents, or 5 percent, in the past month.

<i>Propane - Retail Prices (cents per gallon)</i>					
	<u>07-01-19</u>	<u>06-03-19</u>	<u>change</u>	<u>07-02-19</u>	<u>change</u>
Missouri	140.9	148.6	down 5%	154.9	down 9%

- According to the Division of Energy's most recent statewide propane price survey conducted July 1, the average Missouri retail residential propane price was approximately \$1.41 per gallon.
- According to the survey, the highest Missouri retail residential price for propane was \$1.70 per gallon. The lowest retail price was \$1.01 per gallon.
- On June 28, U.S. propane/propylene stocks had increased over the prior report week at 77.2 MMB. As of June 28, 2019, U.S. propane/propylene stocks were 15.9 MMB, or 26 percent, higher than the ago inventory level for this same time of year. Midwest inventories increased by approximately 1.2 MMB to 21.8 MMB for the report week. Midwest inventories stood at approximately 19.2 MMB at the same time last year.
- U.S. propane consumption was higher week over week at 0.9 MMB/D. Consumption stood at approximately 0.8 MMB/D at the same time last year.

For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web Address: <http://energy.mo.gov/energy/stay-informed/missouri-energy-bulletins>.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

July 22, 2019

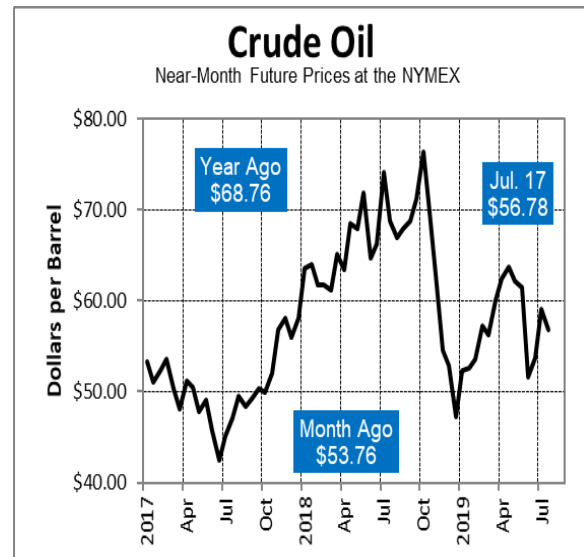
(Data are for the week ending July 12, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$3.02 to \$56.78 per barrel in the past month and are 17 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	<u>07-17-19</u>	<u>06-19-19</u>	<u>change</u>	<u>07-18-18</u>	<u>change</u>
NYMEX	\$56.78	\$53.76	up 6%	\$68.76	down 17%

- On July 17, crude oil futures for delivery on the NYMEX ended lower on the week to settle at \$56.78 per barrel. The price for crude oil futures is \$3.02, or 6 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$56.78 is \$11.98, or 17 percent, lower.
- Despite geopolitical tensions, slowing oil demand growth and oil production in the Gulf of Mexico returning to normal following Hurricane Barry will likely limit price increases.
- Domestic crude production was lower relative to the prior week at 12.0 million barrels per day (MMB/D). Last year at this time, production stood at approximately 11.0 MMB/D.
- Total crude imports were down over the prior week at approximately 6.8 MMB/D. Imports at this time last year were approximately 9.1 MMB/D.
- U.S. crude oil supplies decreased 3.1 MMB on the week to 455.9 MMB. U.S. supplies are 44.8 MMB higher compared to this time last year.



- U.S. refinery crude runs were lower relative to the prior week with refiners processing approximately 17.3 MMB/D. U.S. refinery capacity utilization was higher on the week at 94.4 percent. Last year at this time, capacity use stood at approximately 94.3 percent.
- Gasoline output was lower on the week at approximately 9.9 MMB/D. Output was approximately 10.3 MMB/D at this time last year. Distillate output was higher than the prior week at approximately 5.4 MMB/D. Last year at this time, production stood at 5.2 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.8 MMB/D, 0.6 percent higher compared to the same period last year.

Transportation Fuels

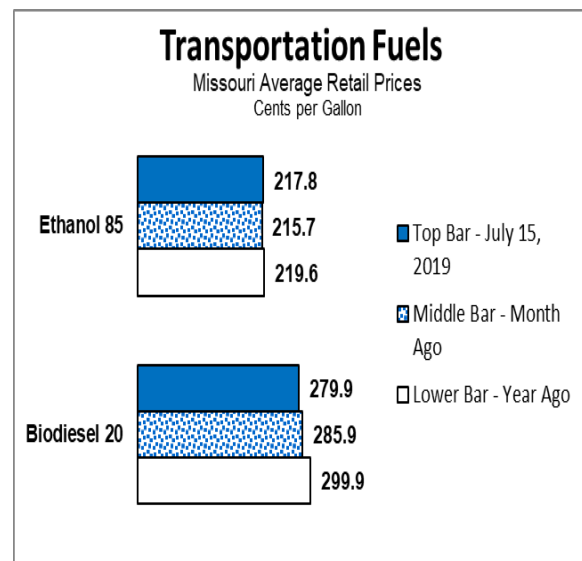
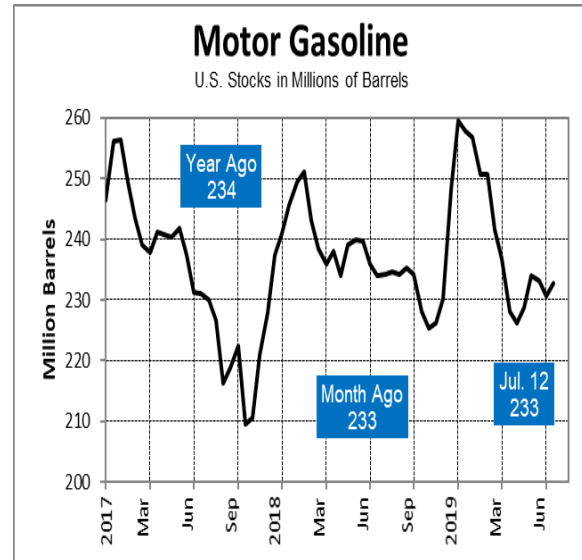
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>. To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- On July 17, at approximately \$2.78, the U.S. average price for regular gasoline was 11.5 cents per gallon, or 4 percent, higher compared to last month.
- The U.S. average price for regular gasoline is 8.1 cents per gallon, or 3 percent, lower compared to this time last year. In the past week, the U.S. average increased approximately 3 cents.
- Gasoline imports decreased from the prior week at approximately 0.9 MMB/D. Last year at this time, imports stood at approximately 0.7 MMB/D.
- Implied demand for gasoline was lower on the week at approximately 9.2 MMB/D. Demand stood at approximately 9.7 MMB/D at this time last year.
- In the past four weeks, U.S. gasoline demand has averaged approximately 9.5 MMB/D.

- U.S. gasoline supplies were up 3.6 MMB on the week at 232.8 MMB. U.S. supplies are approximately 1 MMB lower than this time last year.
- Distillate stocks increased 5.7 MMB on the week at 136.2 MMB and stand 14.9 MMB higher compared to the same period last year.
- Distillate demand was higher on the week at approximately 3.6 MMB/D. Demand stood at approximately 4.1 MMB/D at this time last year. On a four-week average, distillate demand was lower at approximately 3.7 MMB/D.
- On July 15, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$2.18 per gallon.
- On July 15, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was almost \$2.80 per gallon.
- According to the U.S. Energy Information Administration's (EIA) latest *Short Term Energy Outlook* dated July 9, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and averaged \$2.65 to date in 2019, are projected to average \$2.76 in 2020.



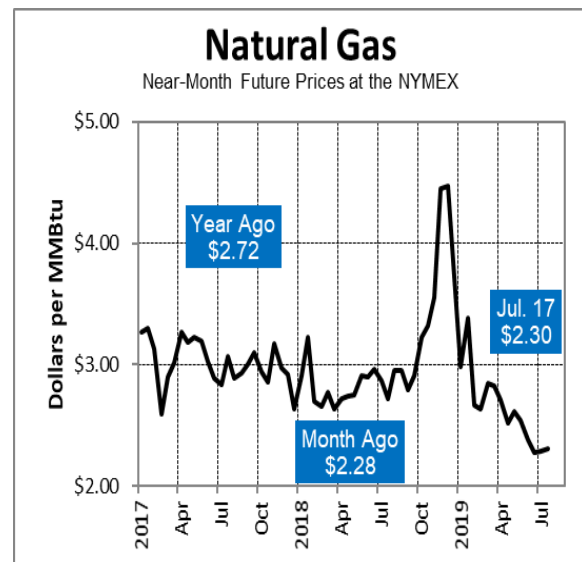
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On July 17, 2019, natural gas futures on the NYMEX closed at \$2.30 per million British thermal units (MMBtu), up approximately \$0.02, or 1 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	07-17-19	06-19-19	change	07-18-18	change
NYMEX	\$2.30	\$2.28	up 1%	\$2.72	down 15%

- The August 2019 NYMEX futures contract settled at \$2.30 per MMBtu on July 17, \$0.14 lower than the July 10 settlement.
- In the past month, the futures contract has increased 2 cents, or 1 percent.
- Futures are down \$0.42, or 15 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 2,533 billion cubic feet (Bcf), 13 percent higher than last year at this time.
- According to the EIA, net injections to working gas totaled 62 Bcf for the week ending July 12.
- For the week ending July 11, temperatures in the Lower 48 states averaged cooler than normal for the Western U.S., but warmer than normal for the Eastern U.S. Heating degree days nationally were slightly below the normal, while cooling degree days were 12 above the normal.
- According to EIA, total U.S. consumption of natural gas increased 2 percent compared with the prior report week. In the residential and commercial sectors, consumption increased by 3 percent. Natural gas consumed for power generation increased by 6 percent week over week. Industrial sector consumption decreased 4 percent week over week. Natural gas exports to Mexico increased 3 percent over the week.



Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On July 1, the average Missouri retail price for residential propane was approximately \$1.41 per gallon, down 7.7 cents, or 5 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	07-01-19	06-03-19	change	07-02-19	change
Missouri	140.9	148.6	down 5%	154.9	down 9%

- According to the Division of Energy's most recent statewide propane price survey conducted July 1, the average Missouri retail residential propane price was approximately \$1.41 per gallon.
- According to the survey, the highest Missouri retail residential price for propane was \$1.70 per gallon. The lowest retail price was \$1.01 per gallon.
- On July 12, 2019, U.S. propane/propylene stocks had increased over the prior report week at 77.5 MMB. As of July 12, U.S. propane/propylene stocks were 12.2 MMB, or 19 percent, higher than the year-ago inventory level for this same time of year. Midwest inventories increased by approximately 1.1 MMB to 22.6 MMB for the report week. Midwest inventories stood at approximately 21.7 MMB at the same time last year.
- U.S. propane consumption was higher week over week at 1.3 MMB/D. Consumption stood at approximately 1.0 MMB/D at the same time last year.

For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web Address: <http://energy.mo.gov/energy/stay-informed/missouri-energy-bulletins>.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

August 12, 2019

(Data are for the week ending August 9, 2019, unless stated otherwise.)

Crude Oil

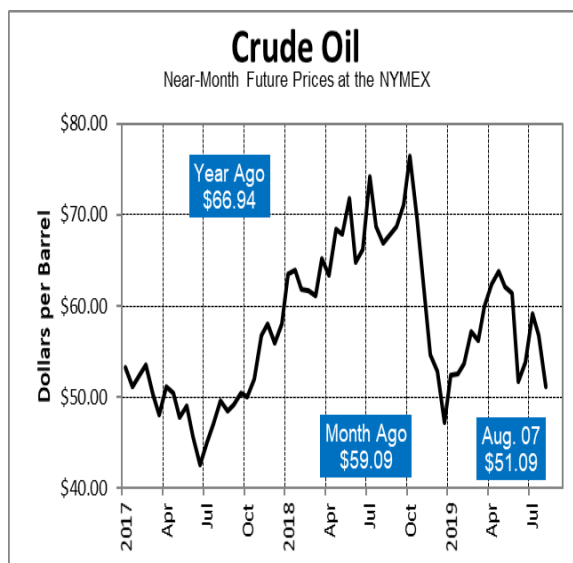
U.S. crude oil prices decreased by \$8.00 to \$51.09 per barrel in the past month and are 24 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	08-07-19	07-01-19	change	08-08-18	change
NYMEX	\$51.09	\$59.09	down 14%	\$66.94	down 24%

- On August 7th, crude oil futures for delivery on the NYMEX ended lower on the week to settle at \$51.09 per barrel. The price for crude oil futures is \$8.00, or 14 percent, below the month-ago level.

- Compared to this time last year, the U.S. crude oil futures settlement price of \$51.09 is \$15.85, or 24 percent, lower.

- According to the analysis section in EIA's *This Week in Petroleum*, The United States recently extended the time period for several companies to continue operations in Venezuela involving state-owned Petróleos de Venezuela (PdVSA) by three months to October 25, 2019. This extension should provide some short-term continuity for crude oil production operations there; however, U.S. sanctions will still limit the production from Venezuela's energy sector. Additionally, the possibility of energy sector disruptions remain and could remove crude oil from the global markets.



- Domestic crude production was higher relative to the prior week at 12.3 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.8 MMB/D.
- Total crude imports were up over the prior week at approximately 7.1 MMB/D. Imports at this time last year were approximately 7.9 MMB/D.

- U.S. crude oil supplies increased 2.4 MMB on the week to 438.9 MMB. U.S. supplies are 31.5 MMB higher compared to this time last year.
- U.S. refinery crude runs were higher relative to the prior week with refiners processing approximately 17.8 MMB/D. U.S. refinery capacity utilization was higher on the week at 96.4 percent. Last year at this time, capacity use stood at approximately 95.2 percent.
- Gasoline output was higher on the week at approximately 10.4 MMB/D. Output was approximately 9.9 MMB/D at this time last year. Distillate output was higher than the prior week at approximately 5.3 MMB/D. Last year at this time, production stood at 5.2 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 21.2 MMB/D, 0.2 percent higher compared to the same period last year.

Transportation Fuels

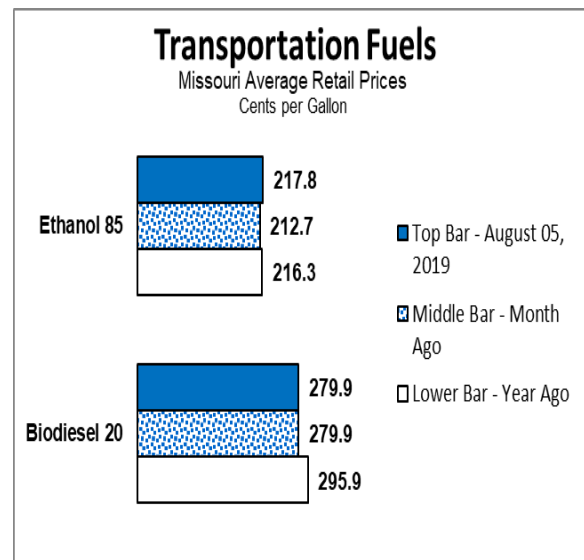
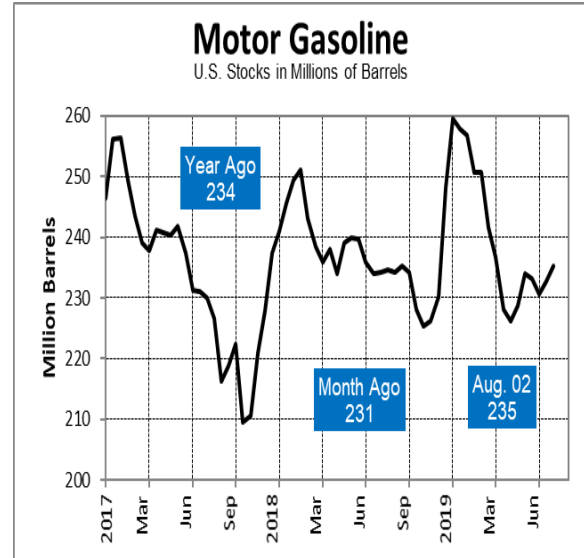
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>. To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- On August 5th, at approximately \$2.69, the U.S. average price for regular gasoline was 6.0 cents per gallon, or 2 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 16.4 cents per gallon, or 6 percent, lower compared to this time last year. In the past week, the U.S. average decreased by approximately 2.7 cents.
- Gasoline imports increased from the prior week at approximately 1.2 MMB/D. Last year at this time, imports stood at approximately 0.9 MMB/D.
- Implied demand for gasoline was higher on the week at approximately 9.7 MMB/D. Demand stood at approximately 9.3 MMB/D at this time last year.

- In the past four weeks, U.S. gasoline demand has averaged approximately 9.5 MMB/D.
- U.S. gasoline supplies were up 4.5 MMB on the week at 235.2 MMB. U.S. supplies are approximately 1.3 MMB higher than this time last year.
- Distillate stocks increased 1.6 MMB on the week at 137.5 MMB and stand 12.1 MMB higher compared to the same period last year.
- Distillate demand was higher on the week at approximately 3.9 MMB/D. Demand stood at approximately 4.0 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 3.9 MMB/D.
- On August 5th, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$2.18 per gallon.
- On August 5th, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was almost \$2.80 per gallon.
- According to the U.S. Energy Information Administration's (EIA) latest *Short Term Energy Outlook* dated August 6, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and averaged \$2.62 to date in 2019, are projected to average \$2.71 in 2020.



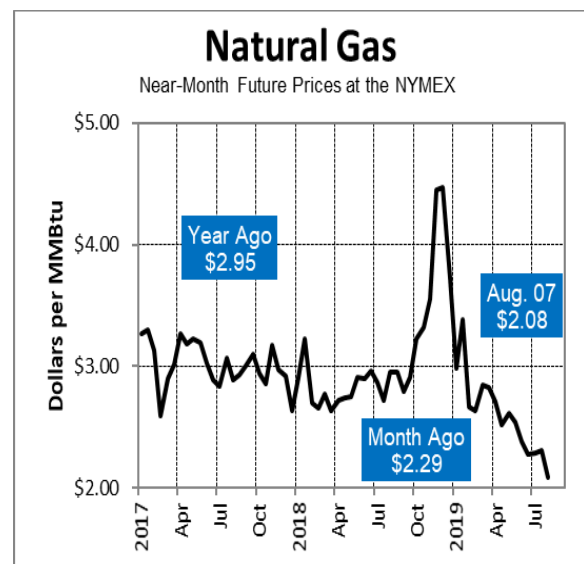
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On August 7, 2019, natural gas futures on the NYMEX closed at \$2.08 per million British thermal units (MMBtu), down approximately \$0.21, or 9 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	08-07-19	07-03-19	change	08-08-18	change
NYMEX	\$2.08	\$2.29	down 9%	\$2.95	down 29%

- The September 2019 NYMEX futures contract settled at \$2.08 per MMBtu on August 7, \$0.15 lower than the July 31 settlement.
- In the past month, the futures contract has decreased 21 cents, or 9 percent.
- Futures are down \$0.87, or 29 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 2,689 billion cubic feet (Bcf), 14.6 percent higher than last year at this time.
- According to the EIA, net injections to working gas totaled 55 Bcf for the week ending August 2.
- For the week ending August 1, temperatures in the Lower 48 states averaged cooler than normal for the Midwestern and Southeastern U.S., but warmer than normal for the Western and Northeastern U.S. Heating degree days nationally were slightly below the normal, while cooling degree days were 7 above the normal.
- According to EIA, total U.S. consumption of natural gas increased 1 percent compared with the prior report week. In the residential and commercial sectors, consumption increased by 4 percent. Natural gas consumed for power generation increased by 3 percent week over week. Industrial sector consumption decreased 2 percent week over week. Natural gas exports to Mexico increased 1 percent over the week.



Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On August 5, the average Missouri retail price for residential propane was approximately \$1.69 per gallon, up 28.6 cents, or 20 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	08-05-19	07-01-19	change	08-06-18	change
Missouri	169.4	140.9	up 20%	151.3	up 12%

- According to the Division of Energy's most recent statewide propane price survey conducted August 5, the average Missouri retail residential propane price was approximately \$1.69 per gallon.
- According to the survey, the highest Missouri retail residential price for propane was \$1.90 per gallon. The lowest retail price was \$1.39 per gallon.
- On August 2, 2019, U.S. propane/propylene stocks had increased over the prior report week at 83.3 MMB. As of August 2, U.S. propane/propylene stocks were 14.5 MMB, or 21 percent, higher than the year-ago inventory level for this same time of year. Midwest inventories increased by approximately 0.5 MMB to 24.6 MMB for the report week. Midwest inventories stood at approximately 22.8 MMB at the same time last year.
- U.S. propane consumption was lower week over week at 0.8 MMB/D. Consumption stood at approximately 1.1 MMB/D at the same time last year.

For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web Address: <http://energy.mo.gov/energy/stay-informed/missouri-energy-bulletins>.



Department of Economic Development
Division of Energy

MISSOURI ENERGY BULLETIN

August 27, 2019

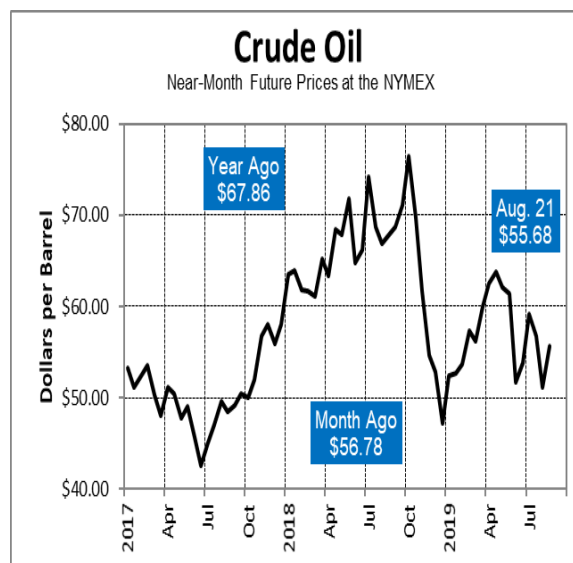
(Data are for the week ending August 23, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices decreased by \$1.10 to \$55.68 per barrel in the past month and are 18 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	08-21-19	07-17-19	change	08-22-18	change
NYMEX	\$55.68	\$56.78	down 2%	\$67.86	down 18%

- On August 21, crude oil futures for delivery on the NYMEX ended higher on the week to settle at \$55.68 per barrel. The price for crude oil futures is \$1.10, or 2 percent, below the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$55.68 is \$12.18, or 18 percent, lower.
- According to U.S. Energy Information Administration's (EIA) *This Week in Petroleum* dated August 21, combined crude oil production in Iran and Venezuela fell by over 1.0 million b/d in the first seven months of 2019. Although Iranian net oil export revenues increased by 18% from 2017 to 2018, a year-to-date comparison indicates a significant decrease in revenues in 2019. Further decreases in OPEC members' production beyond current EIA assumptions would further reduce EIA's OPEC revenue estimates for 2019 and 2020.
- Domestic crude production was unchanged relative to the prior week at 12.3 million barrels per day (MMB/D). Last year at this time, production stood at approximately 11.0 MMB/D.
- Total crude imports were down over the prior week at approximately 7.2 MMB/D. Imports at this time last year were approximately 7.5 MMB/D.



- U.S. crude oil supplies decreased 2.7 MMB on the week to 437.8 MMB. U.S. supplies are 29.4 MMB higher compared to this time last year.
- U.S. refinery crude runs were higher relative to the prior week with refiners processing approximately 17.7 MMB/D. U.S. refinery capacity utilization was higher on the week at 95.9 percent. Last year at this time, capacity use stood at approximately 97.2 percent.
- Gasoline output was lower on the week at approximately 9.9 MMB/D. Output was approximately 10.2 MMB/D at this time last year. Distillate output was higher than the prior week at approximately 5.3 MMB/D. Last year at this time, production stood at 5.4 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 21.5 MMB/D, 3.1 percent higher compared to the same period last year.

Transportation Fuels

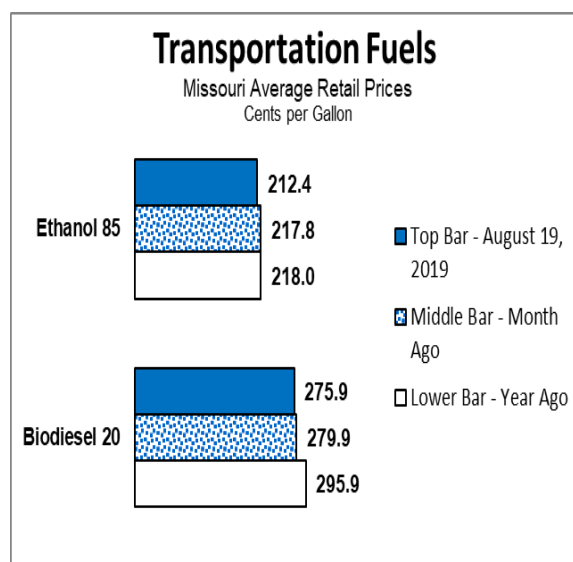
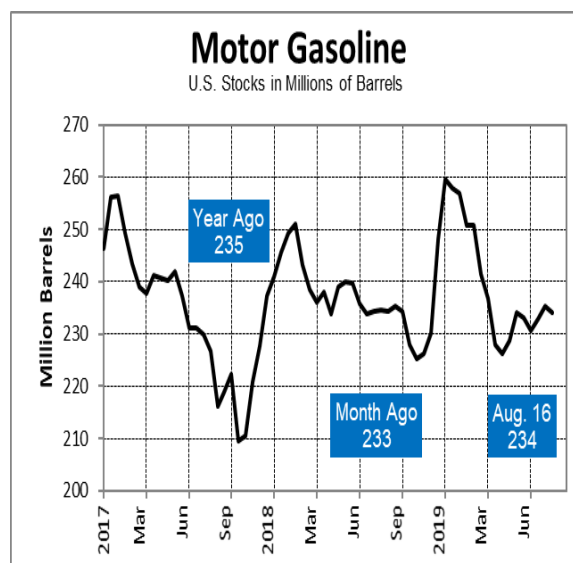
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>. To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- At approximately \$2.60, the U.S. average price for regular gasoline on August 19 was 18.6 cents per gallon, or 7 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 22.3 cents per gallon, or 8 percent, lower compared to this time last year. In the past week, the U.S. average decreased by approximately 2.6 cents.
- Gasoline imports increased from the prior week at approximately 0.89 MMB/D. Last year at this time, imports stood at approximately 0.82 MMB/D.
- Implied demand for gasoline was lower on the week at approximately 9.6 MMB/D. Demand stood at approximately 9.4 MMB/D at this time last year.

- In the past four weeks, U.S. gasoline demand has averaged approximately 9.7 MMB/D.
- U.S. gasoline supplies were up 0.3 MMB on the week at 234.1 MMB. U.S. supplies are approximately 0.5 MMB lower than this time last year.
- Distillate stocks increased 2.6 MMB on the week at 138.1 MMB and stand 7.3 MMB higher compared to the same period last year.
- Distillate demand was lower on the week at approximately 3.8 MMB/D. Demand stood at approximately 4.1 MMB/D at this time last year. On a four-week average, distillate demand was lower at approximately 3.8 MMB/D.
- On August 19, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$2.12 per gallon.
- On August 19, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was approximately \$2.76 per gallon.
- According to EIA's latest *Short Term Energy Outlook* dated August 6, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017, \$2.73 in 2018, and averaged \$2.62 to date in 2019, are projected to average \$2.71 in 2020.



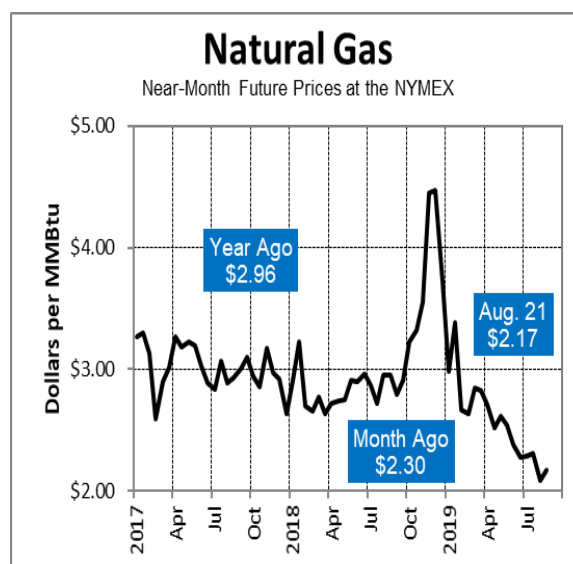
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On August 21, 2019, natural gas futures on the NYMEX closed at \$2.17 per million British thermal units (MMBtu), down approximately \$0.13, or 6 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	08-21-19	07-17-19	change	08-22-18	change
NYMEX	\$2.17	\$2.30	down 6%	\$2.96	down 27%

- The September 2019 NYMEX futures contract settled at \$2.17 per MMBtu on August 21, \$0.03 higher than the August 14 settlement.
- In the past month, the futures contract has decreased 13 cents, or 6 percent.
- Futures are down \$0.79, or 27 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 2,797 billion cubic feet (Bcf), 15.2 percent higher than last year at this time.
- According to the EIA, net injections to working gas totaled 59 Bcf for the week ending August 16.
- For the week ending August 15, temperatures in the Lower 48 states averaged cooler than normal for the North Central and Pacific Regions, but warmer than normal for the South Central and South Atlantic Regions. Heating degree days nationally were slightly below the normal, while cooling degree days were 8 above the normal.
- According to EIA, total U.S. consumption of natural gas was unchanged compared with the prior report week. In the residential and commercial sectors, consumption increased by 2 percent. Natural gas consumed for power generation decreased by 1 percent week over week. Industrial sector consumption increased 1 percent week over week. Natural gas exports to Mexico increased 1 percent over the week.



Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On August 5, the average Missouri retail price for residential propane was approximately \$1.69 per gallon, up 28.6 cents, or 20 percent, in the past month.

<i>Propane - Retail Prices (cents per gallon)</i>					
	<u>08-05-19</u>	<u>07-01-19</u>	<u>change</u>	<u>08-06-18</u>	<u>change</u>
Missouri	169.4	140.9	up 20%	151.3	up 12%

- According to the Division of Energy's most recent statewide propane price survey conducted August 5, the average Missouri retail residential propane price was approximately \$1.69 per gallon.
- According to the survey, the highest Missouri retail residential price for propane was \$1.90 per gallon. The lowest retail price was \$1.39 per gallon.
- U.S. propane/propylene stocks increased over the prior report week at 90.5 MMB. As of August 16, U.S. propane/propylene stocks were 21.7 MMB, or 31 percent, higher than the year-ago inventory level for the same time of year. Midwest inventories increased by approximately 0.7 MMB to 25.5 MMB for the report week. Midwest inventories stood at approximately 24.2 MMB at the same time last year.
- U.S. propane consumption was lower week over week at 0.9 MMB/D. Consumption stood at approximately 1.0 MMB/D at the same time last year.

For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Economic Development's Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Economic Development, Division of Energy, P.O. Box 1766, Jefferson City, MO 65102-1766; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@ded.mo.gov; Web Address: <http://energy.mo.gov/energy/stay-informed/missouri-energy-bulletins>.



MISSOURI ENERGY BULLETIN

September 9, 2019

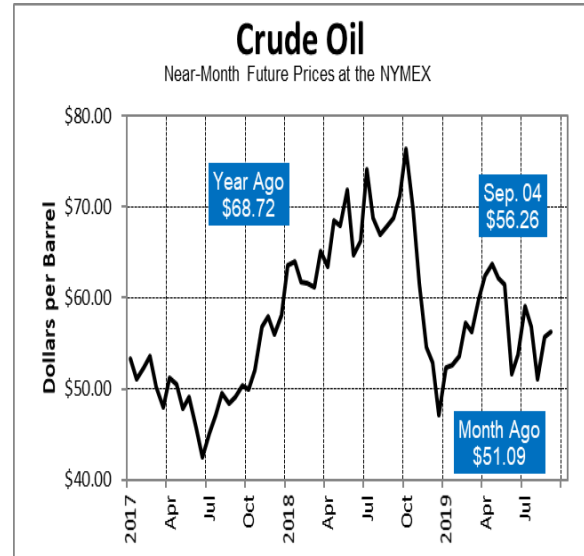
(Data are for the week ending August 30, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$5.17 to \$56.26 per barrel in the past month and are 18 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	09-04-19	08-07-19	change	09-05-18	change
NYMEX	\$56.26	\$51.09	up 10%	\$68.72	down 18%

- On September 4, crude oil futures for delivery on the NYMEX ended higher on the week to settle at \$56.26 per barrel. The price for crude oil futures is \$5.17, or 10 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$56.26 is \$12.46, or 18 percent, lower.
- According to the US Energy Information Administration's (EIA) *This Week in Petroleum* dated September 5, U.S. distillate fuel use in agriculture will likely be lower year-over-year since heavy rainfall and flooding prevented planting on 19 million acres in August.



- Domestic crude production was lower relative to the prior week at 12.4 million barrels per day (MMB/D). Last year at this time, production stood at approximately 11.0 MMB/D.
- Total crude imports were up over the prior week at approximately 6.9 MMB/D. Imports at this time last year were approximately 7.7 MMB/D.

- U.S. crude oil supplies decreased 4.8 MMB on the week to 423.0 MMB. U.S. supplies are 21.5 MMB higher compared to this time last year.
- U.S. refinery crude runs were lower relative to the prior week with refiners processing approximately 17.4 MMB/D. U.S. refinery capacity utilization was lower on the week at 94.8 percent. Last year at this time, capacity use stood at approximately 96.6 percent.
- Gasoline output was lower on the week at approximately 10.3 MMB/D. Output was approximately 10.2 MMB/D at this time last year. Distillate output was lower than the prior week at approximately 5.2 MMB/D. Last year at this time, production stood at 5.4 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 21.7 MMB/D, 1.6 percent higher compared to the same period last year.

Transportation Fuels

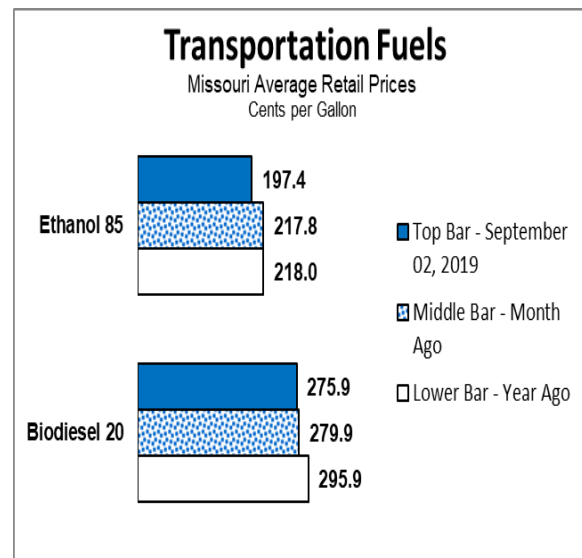
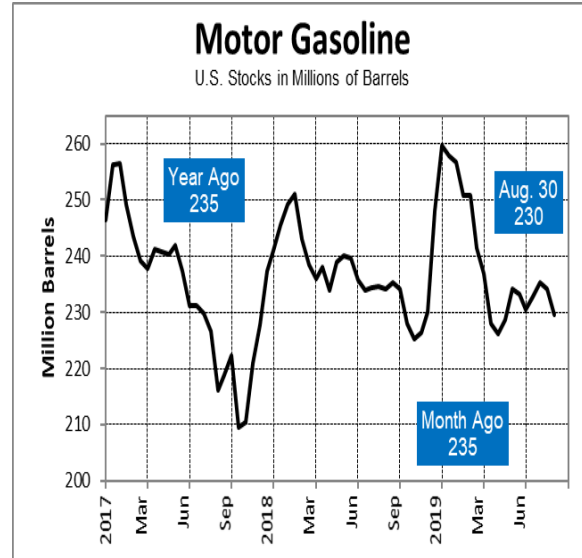
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>. To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- At approximately \$2.56, the U.S. average price for regular gasoline on September 2 was 12.5 cents per gallon, or 5 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 26.1 cents per gallon, or 9 percent, lower compared to this time last year. In the past week, the U.S. average decreased by approximately 1.1 cents.
- Gasoline imports decreased from the prior week at approximately 0.72 MMB/D. Last year at this time, imports stood at approximately 0.99 MMB/D.
- Implied demand for gasoline was lower on the week at approximately 9.5 MMB/D. Demand stood at approximately 9.7 MMB/D at this time last year.

- In the past four weeks, U.S. gasoline demand has averaged approximately 9.7 MMB/D.
- U.S. gasoline supplies are down 2.4 MMB on the week at 229.6 MMB. U.S. supplies are approximately 5.0 MMB higher than this time last year.
- Distillate stocks decreased 2.6 MMB on the week at 133.5 MMB and stand 0.4 MMB higher compared to the same period last year.
- Distillate demand was higher on the week at approximately 4.1 MMB/D. Demand stood at approximately 4.3 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 4.0 MMB/D.
- On September 3, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$1.97 per gallon.
- On September 3, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was approximately \$2.76 per gallon.
- According to EIA's latest *Short Term Energy Outlook* dated August 6, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017 and \$2.73 in 2018, are predicted to average \$2.62 in 2019 and \$2.71 in 2020.



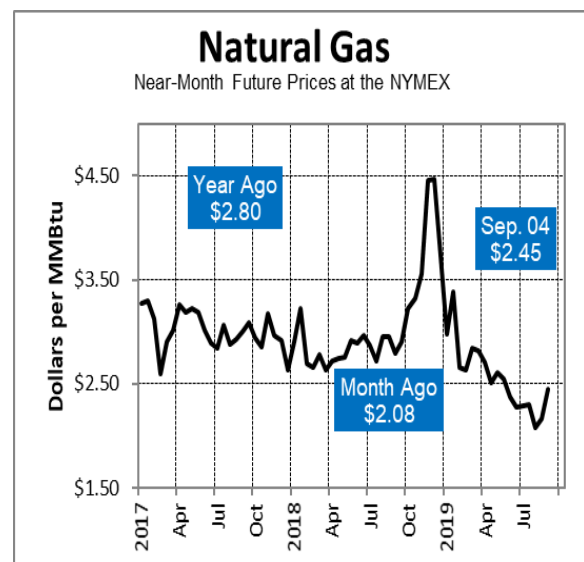
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On September 4, 2019, natural gas futures on the NYMEX closed at \$2.45 per million British thermal units (MMBtu), up approximately \$0.36, or 17 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	09-04-19	08-07-19	change	09-05-18	change
NYMEX	\$2.45	\$2.08	up 17%	\$2.80	down 13%

- The October 2019 NYMEX futures contract settled at \$2.45 per MMBtu on September 4, \$0.22 higher than the August 28 settlement.
- In the past month, the futures contract has increased 36.2 cents, or 17 percent.
- Futures are down \$0.35, or 13 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 2,941 billion cubic feet (Bcf), 15.0 percent higher than last year at this time.
- According to the EIA, net injections to working gas totaled 84 Bcf for the week ending August 30.
- For the week ending August 29, temperatures in the Lower 48 states averaged cooler than normal for the Northeast and Upper Midwest, but warmer than normal for the Southern and Western US. Heating degree days nationally were at the expected normal, while cooling degree days were slightly above the normal.
- According to EIA, total US consumption of natural gas fell 1 percent over the prior report week. Residential and consumption increased by 4 percent. Natural gas consumed for power generation decreased by 3 percent on the week. Industrial sector consumption decreased 1 percent. Natural gas exports to Mexico increased 2 percent over the week.



Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On September 3, the average Missouri retail price for residential propane was approximately \$1.34 per gallon, down 35.7 cents, or 21 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	<u>09-03-19</u>	<u>08-05-19</u>	<u>change</u>	<u>09-03-18</u>	<u>change</u>
Missouri	133.7	169.4	down 21%	154.6	down 13%

- According to the Division of Energy's most recent statewide propane price survey conducted September 3, the average Missouri retail residential propane price was approximately \$1.34 per gallon.
- According to the survey, the highest Missouri retail residential price for propane was \$1.70 per gallon. The lowest retail price was \$1.01 per gallon.
- U.S. propane/propylene stocks increased over the prior report week at 97.0 MMB. As of August 30, U.S. propane/propylene stocks were 23.6 MMB, or 32.2 percent, higher than the year-ago inventory level for the same time of year. Midwest inventories increased by approximately 0.6 MMB to 26.7 MMB for the report week. Midwest inventories stood at approximately 25.7 MMB at the same time last year.
- U.S. propane consumption was higher week-over-week at 1.0 MMB/D. Consumption stood at approximately 1.1 MMB/D at the same time last year.

For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Natural Resources' Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged and reported by region. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Natural Resources, Division of Energy, P.O. Box 176, Jefferson City, MO 65102; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@dnr.mo.gov; Web Address: <https://energy.mo.gov/energy-bulletins>.



MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF ENERGY

MISSOURI ENERGY BULLETIN

September 26, 2019

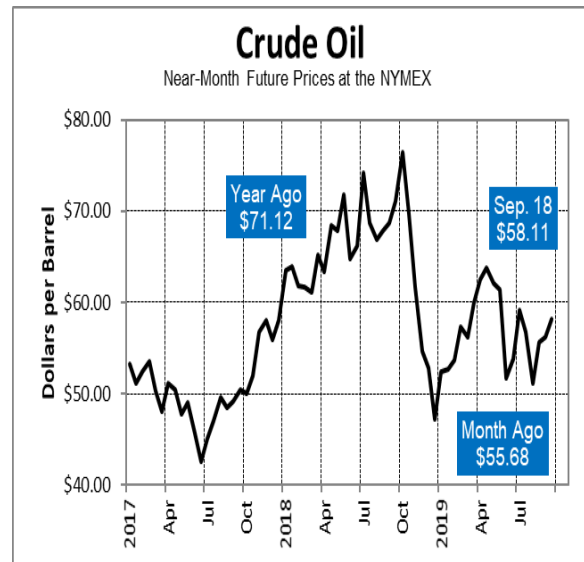
(Data are for the week ending September 13, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$2.43 to \$58.11 per barrel in the past month and are 18 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	09-18-19	08-21-19	change	09-19-18	change
NYMEX	\$58.11	\$55.68	up 4%	\$71.12	down 18%

- On September 18, crude oil futures for delivery on the NYMEX ended higher on the week to settle at \$58.11 per barrel. The price for crude oil futures is \$2.43, or 4 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$58.11 is \$13.01, or 18 percent, lower.
- According to the U.S. Energy Information Administration's (EIA) *This Week in Petroleum* dated September 18, Saudi Aramco stated that crude oil exports will continue by drawing on existing inventories and offering additional crude oil production from other fields. This disruption, caused by the recent attack, will influence U.S. retail gasoline prices.



- Domestic crude production was unchanged relative to the prior week at 12.4 million barrels per day (MMB/D). Last year at this time, production stood at approximately 11.0 MMB/D.
- Total crude imports were up over the prior week at approximately 7.1 MMB/D. Imports at this time last year were approximately 8.0 MMB/D.

- U.S. crude oil supplies increased 1.0 MMB on the week to 417.1 MMB. U.S. supplies are 23.0 MMB higher compared to this time last year.
- U.S. refinery crude runs were lower relative to the prior week with refineries processing approximately 16.7 MMB/D. U.S. refinery capacity utilization was lower on the week at 91.2 percent. Last year at this time, capacity use stood at approximately 95.4 percent.
- Gasoline output was lower on the week at approximately 9.5 MMB/D. Output was approximately 10.3 MMB/D at this time last year. Distillate output was lower than the prior week at approximately 5.1 MMB/D. Last year at this time, production stood at 5.5 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 21.4 MMB/D, effectively unchanged compared to the same period last year.

Transportation Fuels

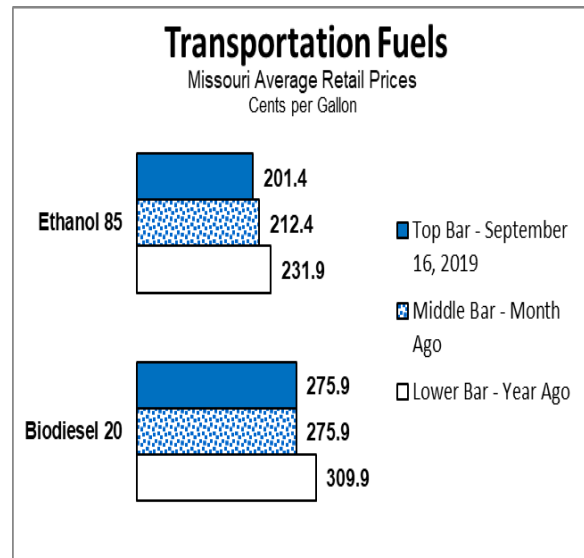
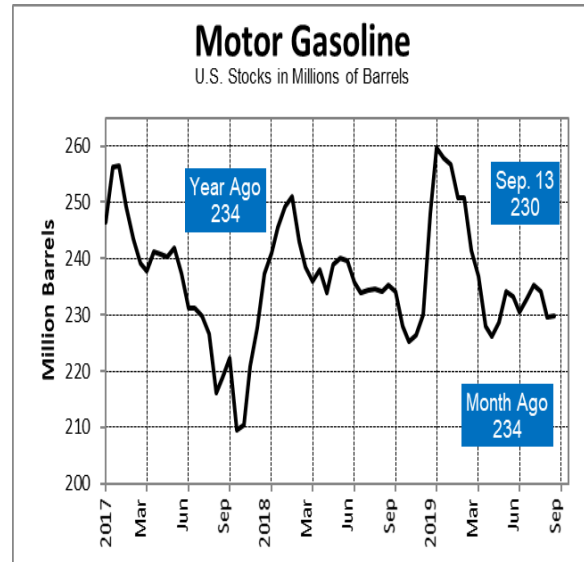
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>. To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- At approximately \$2.56, the U.S. average price for regular gasoline on September 16 was 3.4 cents per gallon, or 1 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 27.7 cents per gallon, or 10 percent, lower compared to this time last year. In the past week, the U.S. average increased by approximately 0.2 cents.
- Gasoline imports decreased from the prior week at approximately 0.5 MMB/D. Last year at this time, imports stood at approximately 0.6 MMB/D.
- Implied demand for gasoline was lower on the week at approximately 8.9 MMB/D. Demand stood at approximately 9.5 MMB/D at this time last year.

- In the past four weeks, U.S. gasoline demand has averaged approximately 9.5 MMB/D.
- U.S. gasoline supplies are up 0.8 MMB on the week at 229.7 MMB. U.S. supplies are approximately 4.5 MMB lower than this time last year.
- Distillate stocks increased 0.5 MMB on the week at 136.7 MMB and stand 3.4 MMB lower compared to the same period last year.
- Distillate demand was higher on the week at approximately 3.9 MMB/D. Demand stood at approximately 4.2 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 4.0 MMB/D.
- On September 16, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$2.01 per gallon.
- On September 16, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was approximately \$2.76 per gallon.
- According to EIA's latest *Short Term Energy Outlook* dated September 10, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017 and \$2.73 in 2018, are predicted to average \$2.56 in 2019 and \$2.63 in 2020.



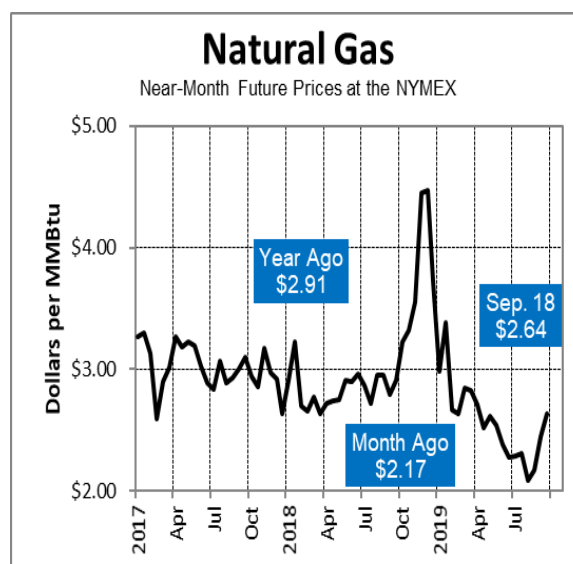
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On September 18, 2019, natural gas futures on the NYMEX closed at \$2.64 per million British thermal units (MMBtu), up approximately \$0.47, or 22 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	09-18-19	08-21-19	change	09-19-18	change
NYMEX	\$2.64	\$2.17	up 22%	\$2.91	down 9%

- The October 2019 NYMEX futures contract settled at \$2.64 per MMBtu on September 18, \$0.09 higher than the September 11 settlement.
- In the past month, the futures contract has increased 47 cents, or 22 percent.
- Futures are down \$0.27, or 9 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 3,103 billion cubic feet (Bcf), 14.5 percent higher than last year at this time, and 2.4 percent lower than the 5-year average.



- According to the EIA, net injections to working gas totaled 84 Bcf for the week ending September 13.
- For the week ending September 12, temperatures in the Lower 48 states averaged warmer than normal. Heating degree days nationally were five below the normal, while cooling degree days were 17 above the normal.
- According to EIA, total U.S. consumption of natural gas decreased 4 percent over the prior report week. Residential and commercial consumption decreased by 1 percent. Natural gas consumed for power generation decreased by 5 percent on the week. Industrial sector consumption decreased 1 percent. Natural gas exports to Mexico decreased 1 percent over the week.

Propane

Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

On September 3, the average Missouri retail price for residential propane was approximately \$1.34 per gallon, down 35.7 cents, or 21 percent, in the past month.

<i>Propane - Retail Prices (cents per gallon)</i>					
	<u>09-03-19</u>	<u>08-05-19</u>	<u>change</u>	<u>09-03-18</u>	<u>change</u>
Missouri	133.7	169.4	down 21%	154.6	down 13%

- According to the Division of Energy's most recent statewide propane price survey conducted September 3, the average Missouri retail residential propane price was approximately \$1.34 per gallon.
- U.S. propane/propylene stocks increased over the prior report week at 100.7 MMB. As of September 13, U.S. propane/propylene stocks were 25.9 MMB, or 34.7 percent, higher than the year-ago inventory level for the same time of year. Midwest inventories increased by approximately 0.9 MMB to 27.8 MMB for the report week. Midwest inventories stood at approximately 26.3 MMB at the same time last year.
- U.S. propane consumption was lower week-over-week at 0.7 MMB/D. Consumption stood at approximately 1.2 MMB/D at the same time last year.

For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Natural Resources' Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Natural Resources, Division of Energy, P.O. Box 176, Jefferson City, MO 65102; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@dnr.mo.gov; Web Address: <https://energy.mo.gov/energy-bulletins>.



MISSOURI ENERGY BULLETIN

October 11, 2019

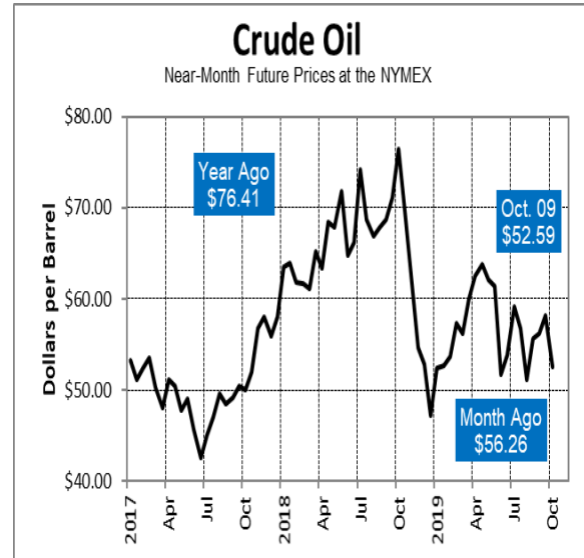
(Data are for the week ending October 4, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices decreased by \$3.67 to \$52.64 per barrel in the past month and are 31 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	10-09-19	09-04-19	change	10-03-18	change
NYMEX	\$52.59	\$56.26	down 7%	\$76.41	down 31%

- On October 9, crude oil futures for delivery on the NYMEX ended lower on the week to settle at \$52.59 per barrel. The price for crude oil futures is \$3.67, or 7 percent, below the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$52.59 is \$23.82, or 31 percent, lower.
- The U.S. Energy Information Administration (EIA) stated in its October 2019 Short-Term Energy Outlook that it anticipates lower crude oil prices in the fourth quarter of 2019 and in 2020 despite the September 14 attacks on crude oil infrastructure in Saudi Arabia.



- Domestic crude production was higher relative to the prior week at 12.6 million barrels per day (MMB/D). Last year at this time, production stood at approximately 11.2 MMB/D.
- Total crude imports were down over the prior week at approximately 6.2 MMB/D. Imports at this time last year were approximately 7.4 MMB/D.

- U.S. crude oil supplies increased 3.0 MMB on the week to 425.6 MMB. U.S. supplies are 15.6 MMB higher compared to this time last year.
- U.S. refinery crude runs were lower relative to the prior week with refineries processing approximately 15.7 MMB/D. U.S. refinery capacity utilization was lower on the week at 85.7 percent. Last year at this time, capacity use stood at approximately 88.8 percent.
- Gasoline output was lower on the week at approximately 10.1 MMB/D. Output was approximately 9.7 MMB/D at this time last year. Distillate output was higher than the prior week at approximately 4.8 MMB/D. Last year at this time, production stood at 5.0 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.9 MMB/D, 3 percent higher than the same period last year.

Transportation Fuels

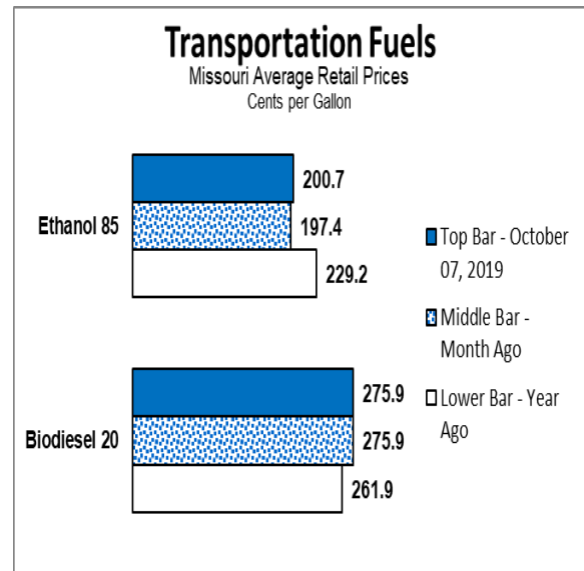
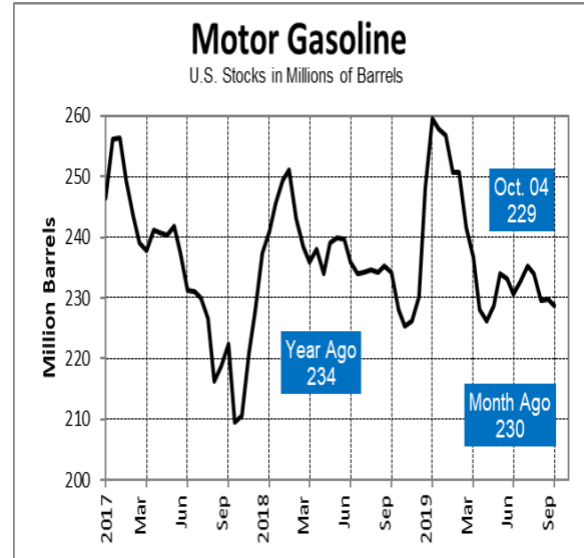
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>. To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- At approximately \$2.65, the U.S. average price for regular gasoline on October 7 was 9.0 cents per gallon, or 4 percent, higher compared to last month.
- The U.S. average price for regular gasoline is 21.3 cents per gallon, or 7 percent, lower compared to this time last year. In the past week, the U.S. average increased by approximately 0.3 cents.
- Gasoline imports decreased from the prior week at approximately 0.6 MMB/D. Last year at this time, imports stood at approximately 0.7 MMB/D.
- Implied demand for gasoline was higher on the week at approximately 9.5 MMB/D. Demand stood at approximately 9.1 MMB/D at this time last year.

- In the past four weeks, U.S. gasoline demand has averaged approximately 9.2 MMB/D.
- U.S. gasoline supplies are down 1.2 MMB on the week at 228.8 MMB. U.S. supplies are approximately 5.4 MMB lower than this time last year.
- Distillate stocks decreased 4.0 MMB on the week at 127.3 MMB and stand 6.2 MMB lower compared to the same period last year.
- Distillate demand was higher on the week at approximately 4.0 MMB/D. Demand stood at approximately 4.6 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 3.9 MMB/D.
- On October 7, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$2.01 per gallon.
- On October 7, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was approximately \$2.76 per gallon.
- According to EIA's latest *Short Term Energy Outlook* dated October 8, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017 and \$2.73 in 2018, are predicted to average \$2.56 in 2019 and \$2.57 in 2020.



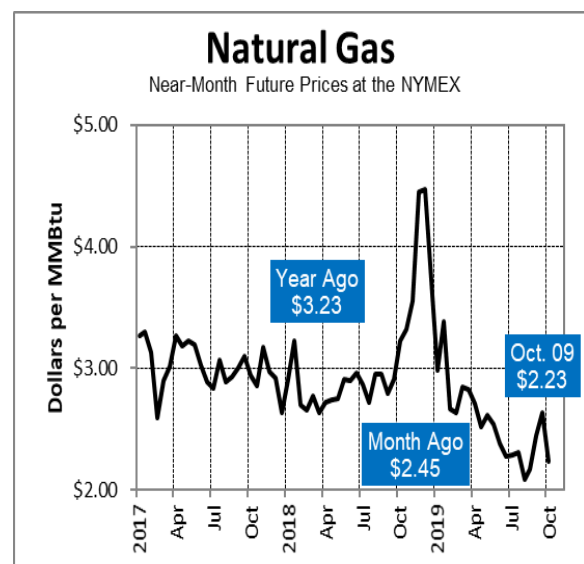
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On October 9, 2019, natural gas futures on the NYMEX closed at \$2.23 per million British thermal units (MMBtu), down approximately \$0.22, or 9 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	10-09-19	09-04-19	change	10-03-18	change
NYMEX	\$2.23	\$2.45	down 9%	\$3.23	down 31%

- The November 2019 NYMEX futures contract settled at \$2.23 per MMBtu on October 9, \$0.01 lower than the October 2 settlement.
- In the past month, the futures contract has decreased 22 cents, or 9 percent.
- Futures are down \$1.00, or 31 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 3,415 billion cubic feet (Bcf), 16.0 percent higher than last year at this time and 0.3 percent lower than the 5-year average.



- According to the EIA, net injections to working gas totaled 98 Bcf for the week ending October 4.
- For the week ending October 3, temperatures averaged much warmer than normal in the eastern half of the U.S. and much cooler for the western half of the U.S. Heating degree days nationally were 16 below the normal, while cooling degree days were 28 above the normal.
- According to EIA, total U.S. consumption of natural gas decreased 3 percent over the prior report week. Residential and commercial consumption decreased by 1 percent. Natural gas consumed for power generation decreased by 6 percent on the week. Industrial sector consumption decreased 1 percent. Natural gas exports to Mexico were unchanged over the week.

Propane

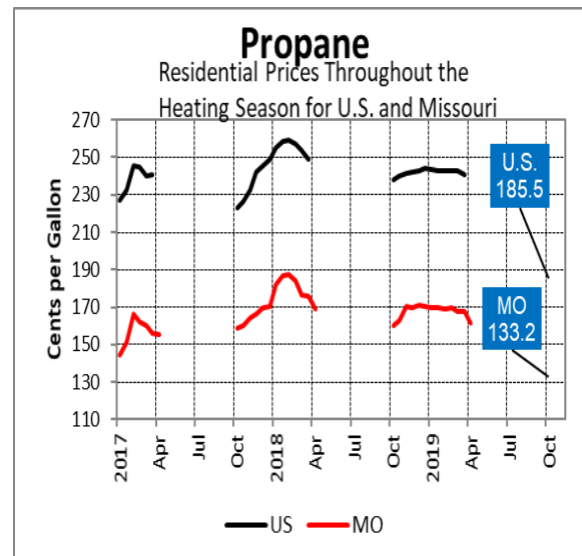
Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

Please note that the sample of propane distributors surveyed by the Missouri Division of Energy has changed as a part of the Division's participation in EIA's State Heating Oil and Propane Program.

On October 7, the average Missouri retail price for residential propane was approximately \$1.33 per gallon, down 0.5 cents, or less than 1 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	<u>10-07-19</u>	<u>09-03-19</u>	<u>change</u>	<u>10-01-18</u>	<u>change</u>
Missouri	133.2	133.7	down <1%	159.9	down 17%

- According to the Division of Energy's most recent statewide propane price survey conducted October 7, the average Missouri retail residential propane price was approximately \$1.33 per gallon.
- U.S. propane/propylene stocks increased over the prior report week at 100.8 MMB. As of October 4, U.S. propane/propylene stocks were 20.5 MMB, or 26 percent, higher than the year-ago inventory level for the same time of year. Midwest inventories remained approximately the same for the report week at 27.5 MMB. Midwest inventories stood at approximately 27.9 MMB at the same time last year.
- U.S. propane consumption was lower week-over-week at 1.1 MMB/D. Consumption stood at approximately 1.3 MMB/D at the same time last year.



For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Natural Resources' Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Natural Resources, Division of Energy, P.O. Box 176, Jefferson City, MO 65102; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@dnr.mo.gov; Web Address: <https://energy.mo.gov/energy-bulletins>.



MISSOURI ENERGY BULLETIN

October 29, 2019

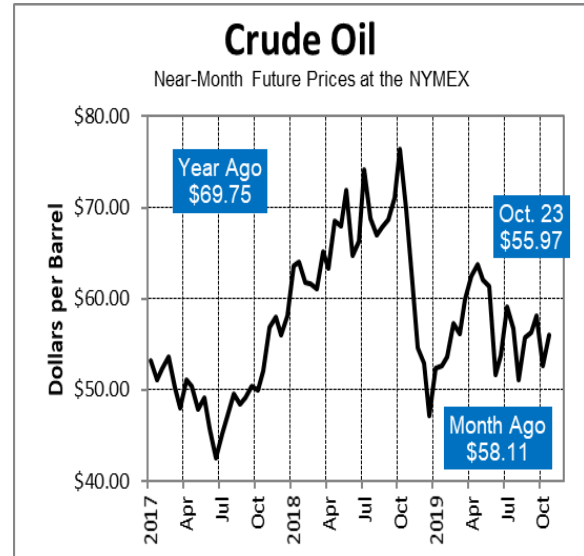
(Data are for the week ending October 18, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices decreased by \$2.14 to \$55.97 per barrel in the past month and are 20 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	10-23-19	09-18-19	change	10-17-18	change
NYMEX	\$55.97	\$58.11	down 4%	\$69.75	down 20%

- On October 23, crude oil futures for delivery on the NYMEX ended higher on the week to settle at \$55.97 per barrel. The price for crude oil futures is \$2.14, or 4 percent, below the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$55.97 is \$13.78, or 20 percent, lower.
- In the October 23, 2019 edition of *This Week in Petroleum*, the U.S. Energy Information Administration (EIA) states that continued growth in petroleum product exports, and increasing U.S. crude oil exports will result in the U.S. becoming a total petroleum net exporter. EIA's October 2019 *Short-Term Energy Outlook* forecasts this change to occur in the fourth quarter of 2019.
- Domestic crude production was unchanged relative to the prior week at 12.6 million barrels per day (MMB/D). Last year at this time, production stood at approximately 10.9 MMB/D.
- Total crude imports were down over the prior week at approximately 5.9 MMB/D. Imports at this time last year were approximately 7.7 MMB/D.



- U.S. crude oil supplies decreased 1.7 MMB on the week to 433.2 MMB. U.S. supplies are 10.4 MMB higher compared to this time last year.
- U.S. refinery crude runs were higher relative to the prior week with refineries processing approximately 15.9 MMB/D. U.S. refinery capacity utilization was higher on the week at 85.2 percent. Last year at this time, capacity use stood at approximately 89.2 percent.
- Gasoline output was higher on the week at approximately 10.1 MMB/D. Output was approximately 10.0 MMB/D at this time last year. Distillate output was higher than the prior week at approximately 4.8 MMB/D. Last year at this time, production stood at 5.0 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 21.1 MMB/D, 3.4 percent higher than the same period last year.

Transportation Fuels

(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

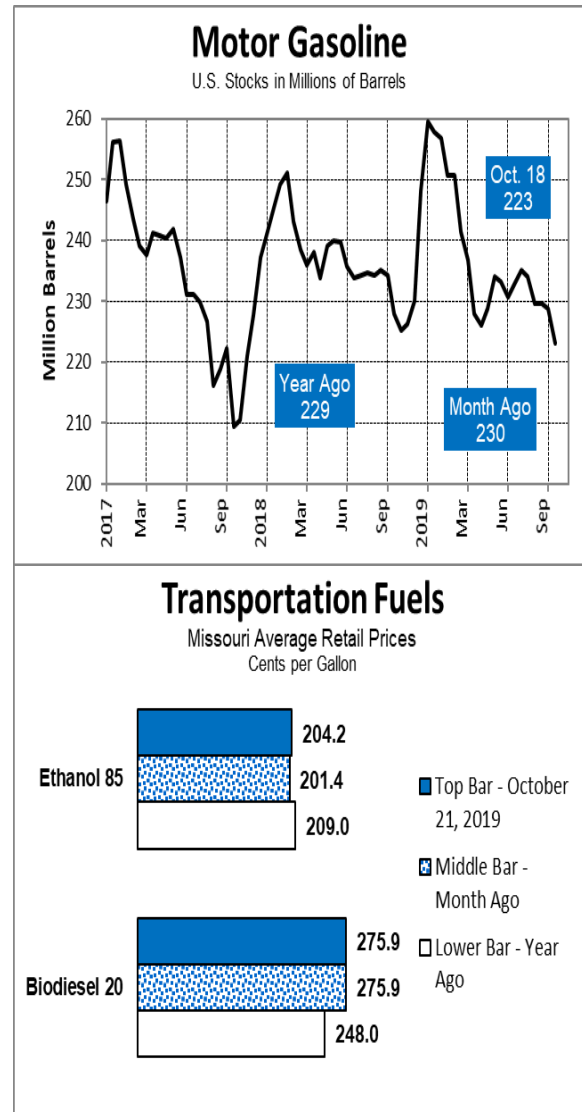
For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>.

To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- At approximately \$2.64, the U.S. average price for regular gasoline on October 21 was 7.4 cents per gallon, or 3 percent, higher compared to last month.
- The U.S. average price for regular gasoline is 24.1 cents per gallon, or 8 percent, lower compared to this time last year. In the past week, the U.S. average increased by approximately 0.9 cents.
- Gasoline imports increased from the prior week at approximately 0.7 MMB/D. Last year at this time, imports stood at approximately 0.3 MMB/D.
- Implied demand for gasoline was higher on the week at approximately 9.6 MMB/D. Demand stood at approximately 9.3 MMB/D at this time last year.

- In the past four weeks, U.S. gasoline demand has averaged approximately 9.4 MMB/D.
- U.S. gasoline supplies are down 3.1 MMB on the week at 223.1 MMB. U.S. supplies are approximately 6.2 MMB lower than this time last year.
- Distillate stocks decreased 2.7 MMB on the week at 120.8 MMB and stand 9.6 MMB lower compared to the same period last year.
- Distillate demand was lower on the week at approximately 4.1 MMB/D. Demand stood at approximately 4.0 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 4.1 MMB/D.
- On October 21, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$2.04 per gallon.
- On October 21, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was approximately \$2.76 per gallon.
- According to EIA's latest *Short-Term Energy Outlook* dated October 8, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017 and \$2.73 in 2018, are predicted to average \$2.56 in 2019 and \$2.57 in 2020.



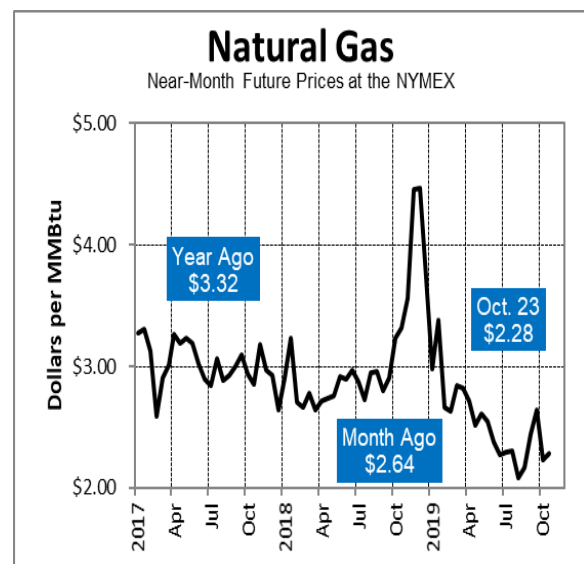
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On October 23, 2019, natural gas futures on the NYMEX closed at \$2.28 per million British thermal units (MMBtu), down approximately \$0.36, or 14 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	10-23-19	09-18-19	change	10-17-18	change
NYMEX	\$2.28	\$2.64	down 14%	\$3.32	down 31%

- The November 2019 NYMEX futures contract settled at \$2.28 per MMBtu on October 23, \$0.02 lower than the October 16 settlement.
- In the past month, the futures contract has decreased 36 cents, or 14 percent.
- Futures are down \$1.04, or 31 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 3,606 billion cubic feet (Bcf), 16.8 percent higher than last year at this time and 0.8 percent lower than the 5-year average.



- According to the EIA, net injections to working gas totaled 87 Bcf for the week ending October 18.
- For the week ending October 17, temperatures averaged cooler than normal in the U.S., except for portions of the Southwest and the East Coast. Heating degree days nationally were 7 above the normal, while cooling degree days were 2 below the normal.
- According to EIA, total U.S. consumption of natural gas increased 2 percent over the prior report week. Residential and commercial consumption increased by 6 percent. Natural gas consumed for power generation increased by 2 percent on the week. Industrial sector consumption decreased 1 percent. Natural gas exports to Mexico decreased 2 percent over the week.

Propane

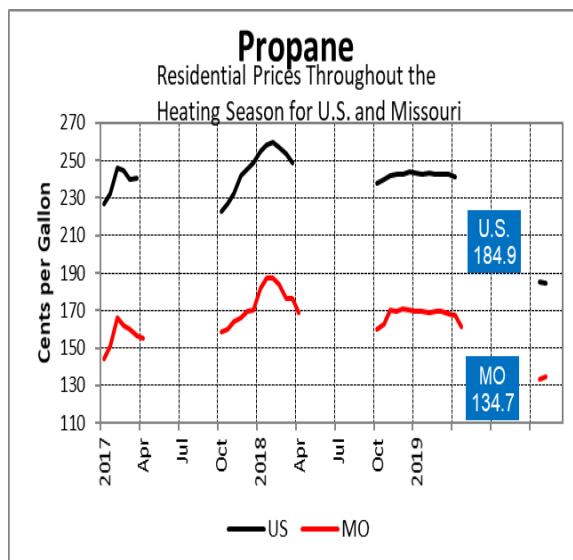
Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

Please note that the sample of propane distributors surveyed by the Missouri Division of Energy has changed as a part of the Division's participation in EIA's State Heating Oil and Propane Program.

On October 21, the average Missouri retail price for residential propane was approximately \$1.35 per gallon, up 1.0 cent, or less than 1 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	10-21-19	09-16-19	change	10-15-18	change
Missouri	134.7	133.7	up <1%	162.7	down 17%

- According to the Division of Energy's most recent statewide propane price survey conducted October 21, the average Missouri retail residential propane price was approximately \$1.35 per gallon.
- U.S. propane/propylene stocks decreased over the prior report week at 100.0 MMB. As of October 18, U.S. propane/propylene stocks were 18.0 MMB, or 22 percent, higher than the year-ago inventory level for the same time of year. Midwest inventories are slightly lower for the report week at 26.8 MMB. Midwest inventories stood at approximately 27.8 MMB at the same time last year.
- U.S. propane consumption was higher week-over-week at 1.3 MMB/D. Consumption stood at approximately 1.4 MMB/D at the same time last year.



For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Natural Resources' Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Natural Resources, Division of Energy, P.O. Box 176, Jefferson City, MO 65102; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@dnr.mo.gov; Web Address: <https://energy.mo.gov/energy-bulletins>.



MISSOURI ENERGY BULLETIN

November 15, 2019

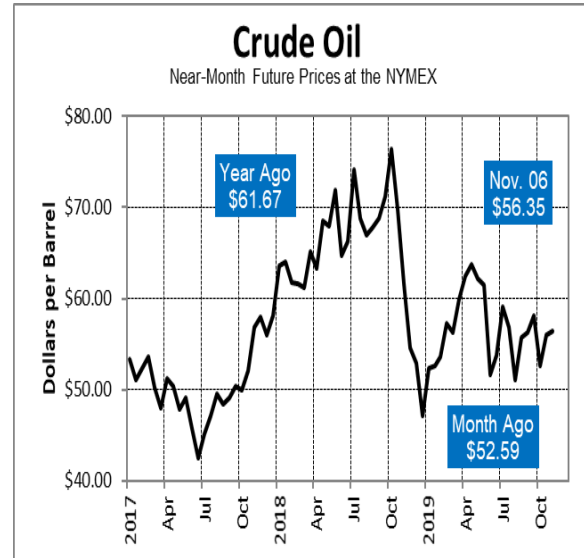
(Data are for the week ending November 1, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$3.76 to \$56.35 per barrel in the past month and are 9 percent lower compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	11-06-19	10-09-19	change	11-07-18	change
NYMEX	\$56.35	\$52.59	up 7%	\$61.67	down 9%

- On November 6, crude oil futures for delivery on the NYMEX ended higher on the week to settle at \$56.35 per barrel. The price for crude oil futures is \$3.76, or 7 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$56.35 is \$5.32, or 9 percent, lower.
- In the November 14, 2019 edition of *This Week in Petroleum*, the U.S. Energy Information Administration (EIA) states that a Pennsylvania's Public Utility Commission ruling may also create a new source of diesel fuel coming from the Midwest.



- Domestic crude production was unchanged relative to the prior week at 12.6 million barrels per day (MMB/D). Last year at this time, production stood at approximately 11.6 MMB/D.
- Total crude imports were down over the prior week at approximately 6.1 MMB/D. Imports at this time last year were approximately 7.5 MMB/D.

- U.S. crude oil supplies increased 7.9 MMB on the week to 446.8 MMB. U.S. supplies are 15.0 MMB higher compared to this time last year.
- U.S. refinery crude runs were lower relative to the prior week with refineries processing approximately 15.8 MMB/D. U.S. refinery capacity utilization was lower on the week at 86.0 percent. Last year at this time, capacity use stood at approximately 90.0 percent.
- Gasoline output was lower on the week at approximately 10.0 MMB/D. Output was approximately 9.7 MMB/D at this time last year. Distillate output was lower than the prior week at approximately 4.9 MMB/D. Last year at this time, production stood at 5.0 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 21.2 MMB/D, 2.4 percent higher than the same period last year.

Transportation Fuels

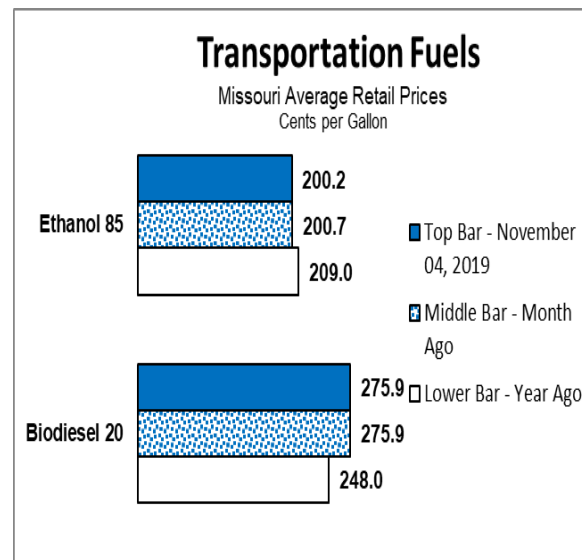
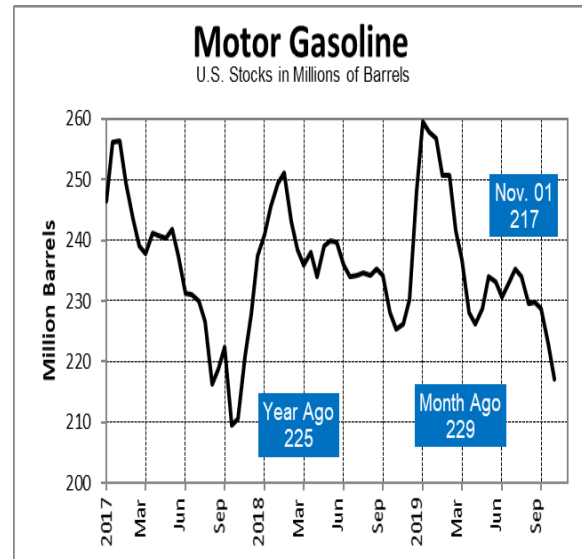
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>. To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- At approximately \$2.61, the U.S. average price for regular gasoline on November 4 was 4.8 cents per gallon, or 2 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 14.8 cents per gallon, or 5 percent, lower compared to this time last year. In the past week, the U.S. average increased by approximately 1.0 cents.
- Gasoline imports decreased from the prior week at approximately 0.5 MMB/D. Last year at this time, imports stood at approximately 0.6 MMB/D.
- Implied demand for gasoline was lower on the week at approximately 9.2 MMB/D. Demand stood at approximately 9.1 MMB/D at this time last year.

- In the past four weeks, U.S. gasoline demand has averaged approximately 9.5 MMB/D.
- U.S. gasoline supplies are up 2.8 MMB on the week at 217.2 MMB. U.S. supplies are approximately 10.8 MMB lower than this time last year.
- Distillate stocks decreased 0.7 MMB on the week at 119.1 MMB and stand 3.7 MMB lower compared to the same period last year.
- Distillate demand was higher on the week at approximately 4.3 MMB/D. Demand stood at approximately 4.3 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 4.3 MMB/D.
- On November 4, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$2.00 per gallon.
- On November 4, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was approximately \$2.76 per gallon.
- According to EIA's latest *Short-Term Energy Outlook* dated October 8, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017 and \$2.73 in 2018, are predicted to average \$2.56 in 2019 and \$2.57 in 2020.



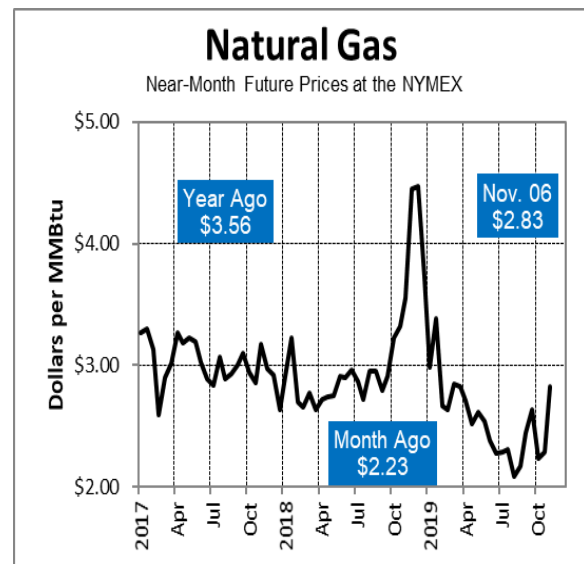
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On November 6, 2019, natural gas futures on the NYMEX closed at \$2.83 per million British thermal units (MMBtu), down approximately \$0.37, or 21 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	11-06-19	10-09-19	change	11-07-18	change
NYMEX	\$2.83	\$2.23	up 27%	\$3.56	down 21%

- The December 2019 NYMEX futures contract settled at \$2.83 per MMBtu on November 6, \$0.14 higher than the October 30 settlement.
- In the past month, the futures contract has increased 60 cents, or 27 percent.
- Futures are down \$0.73, or 21 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 3,729 billion cubic feet (Bcf), 17 percent higher than last year at this time and 1 percent lower than the 5-year average.



- According to the EIA, net injections to working gas totaled 34 Bcf for the week ending November 1.
- For the week ending October 31, temperatures averaged cooler than normal in the Western U.S. and warmer than normal for the East Coast. Heating degree days nationally were 2 above the normal, while cooling degree days were 4 above the normal.
- According to EIA, total U.S. consumption of natural gas increased 8 percent over the prior report week. Residential and commercial consumption increased by 40 percent. Natural gas consumed for power generation decreased by 4 percent on the week. Industrial sector consumption decreased 3 percent. Natural gas exports to Mexico decreased 1 percent over the week.

Propane

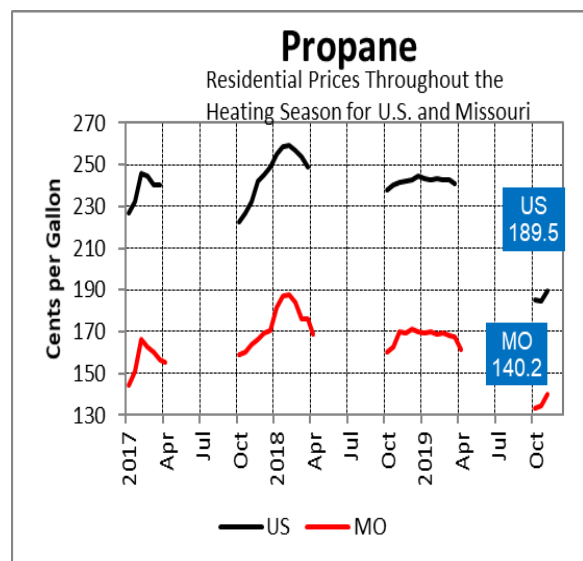
Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

Please note that the sample of propane distributors surveyed by the Missouri Division of Energy has changed as a part of the Division's participation in EIA's State Heating Oil and Propane Program.

On November 4, the average Missouri retail price for residential propane was approximately \$1.40 per gallon, up 7.0 cents, or 5 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	11-04-19	10-07-19	change	11-19-18	change
Missouri	140.2	133.2	up 5%	169.4	down 17%

- According to the Division of Energy's most recent statewide propane price survey conducted November 4, the average Missouri retail residential propane price was approximately \$1.40 per gallon.
- U.S. propane/propylene stocks increased over the prior report week at 100.2 MMB. As of November 8, U.S. propane/propylene stocks were 15.6 MMB, or 18.5 percent, higher than the year-ago inventory level for the same time of year. Midwest inventories are lower for the report week at 25.8 MMB. Midwest inventories stood at approximately 27.3 MMB at the same time last year.
- U.S. propane consumption was higher week-over-week at 1.1 MMB/D. Consumption stood at approximately 0.9 MMB/D at the same time last year.



For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Natural Resources' Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Natural Resources, Division of Energy, P.O. Box 176, Jefferson City, MO 65102; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@dnr.mo.gov; Web Address: <https://energy.mo.gov/energy-bulletins>.



MISSOURI ENERGY BULLETIN

November 26, 2019

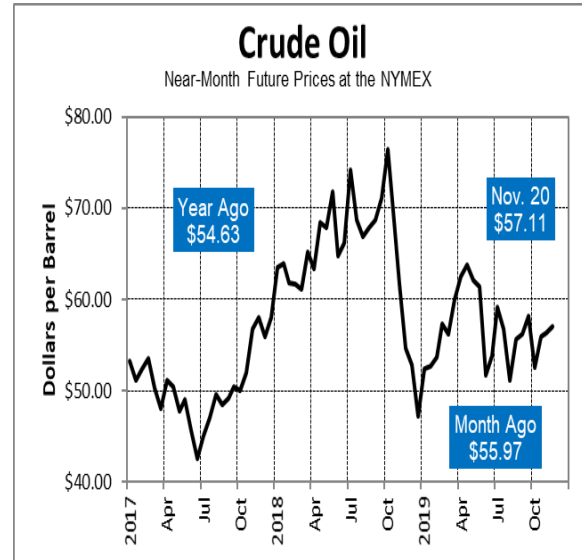
(Data are for the week ending November 15, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$1.14 to \$57.11 per barrel in the past month and are 5 percent higher compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	11-20-19	10-23-19	change	11-21-18	change
NYMEX	\$57.11	\$55.97	up 2%	\$54.63	up 5%

- On November 6, crude oil futures for delivery on the NYMEX ended lower on the week to settle at \$57.11 per barrel. The price for crude oil futures is \$1.14 or 2 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$57.11 is \$2.48, or 5 percent, higher.
- In the November 20, 2019 edition of *This Week in Petroleum*, the U.S. Energy Information Administration (EIA) states it anticipates that drilling rigs will continue to decline as producers cut back on their capital spending, resulting in notable slowing in the growth of domestic crude oil production over the next 14 months.
- Domestic crude production was unchanged relative to the prior week at 12.8 million barrels per day (MMB/D). Last year at this time, production stood at approximately 11.7 MMB/D.
- Total crude imports were up over the prior week at approximately 6.0 MMB/D. Imports at this time last year were approximately 7.6 MMB/D.



- U.S. crude oil supplies increased 1.4 MMB on the week to 450.4 MMB. U.S. supplies are 3.5 MMB higher compared to this time last year.
- U.S. refinery crude runs were higher relative to the prior week with refineries processing approximately 16.4 MMB/D. U.S. refinery capacity utilization was higher on the week at 89.5 percent. Last year at this time, capacity use stood at approximately 92.7 percent.
- Gasoline output was lower on the week at approximately 10.1 MMB/D. Output was approximately 10.0 MMB/D at this time last year. Distillate output was higher than the prior week at approximately 5.1 MMB/D. Last year at this time, production stood at 5.2 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 21.4 MMB/D, 0.5 percent higher than the same period last year.

Transportation Fuels

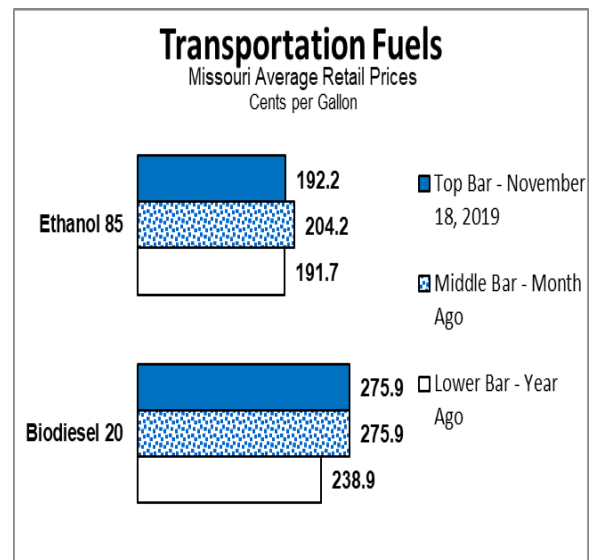
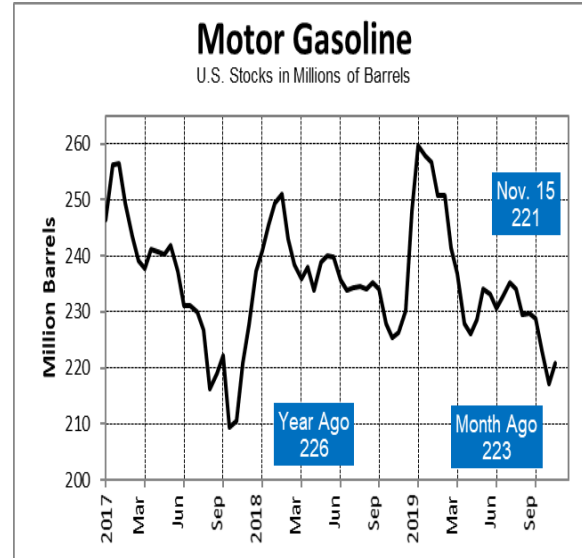
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>. To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- At approximately \$2.59, the U.S. average price for regular gasoline on November 18 was 4.6 cents per gallon, or 2 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 1.9 cents per gallon, or 1 percent, lower compared to this time last year. In the past week, the U.S. average decreased by approximately 2.3 cents.
- Gasoline imports decreased from the prior week at approximately 0.5 MMB/D. Last year at this time, imports stood at approximately 0.2 MMB/D.
- Implied demand for gasoline was lower on the week at approximately 9.2 MMB/D. Demand stood at approximately 9.2 MMB/D at this time last year.

- In the past four weeks, U.S. gasoline demand has averaged approximately 9.4 MMB/D.
- U.S. gasoline supplies are up 1.7 MMB on the week at 220.8 MMB. U.S. supplies are approximately 4.5 MMB lower than this time last year.
- Distillate stocks decreased 1.0 MMB on the week at 115.7 MMB and stand 3.5 MMB lower compared to the same period last year.
- Distillate demand was lower on the week at approximately 4.3 MMB/D. Demand stood at approximately 4.3 MMB/D at this time last year. On a four-week average, distillate demand was higher at approximately 4.4 MMB/D.
- On November 18, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$191.7 per gallon.
- On November 4, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was approximately \$2.76 per gallon.
- According to EIA's latest *Short-Term Energy Outlook* dated November 13, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017 and \$2.73 in 2018, are predicted to average \$2.60 in 2019 and \$2.62 in 2020.



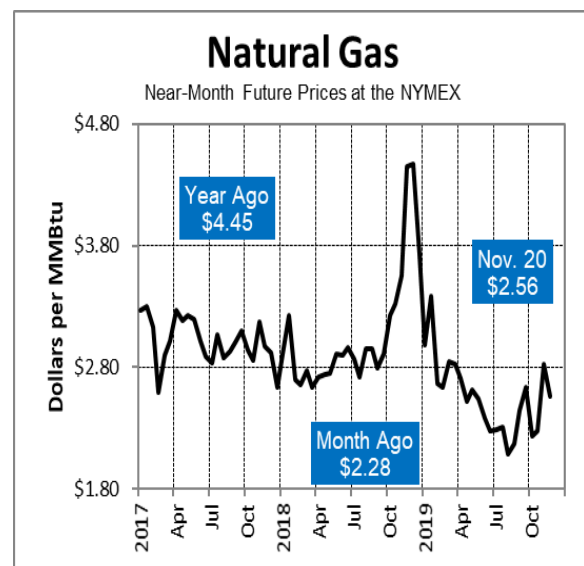
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On November 20, 2019, natural gas futures on the NYMEX closed at \$2.56 per million British thermal units (MMBtu), up approximately \$0.28, or 12 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	11-20-19	10-23-19	change	11-21-18	change
NYMEX	\$2.56	\$2.28	up 12%	\$4.45	down 42%

- The December 2019 NYMEX futures contract settled at \$2.56 per MMBtu on November 20, \$0.04 lower than the November 13 settlement.
- In the past month, the futures contract has increased 28 cents, or 12 percent.
- Futures are down \$1.89, or 42 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 3,638 billion cubic feet (Bcf), 16.2 percent higher than last year at this time and 1.6 percent lower than the 5-year average.



- According to the EIA, net withdrawals from working gas totaled 94 Bcf for the week ending November 15.
- For the week ending November 14, temperatures averaged cooler than normal in the Eastern U.S. and warmer than normal for the Western U.S. Heating degree days nationally were 48 above the normal, while cooling degree days were 1 below the normal.
- According to EIA, total U.S. consumption of natural gas decreased 5 percent over the prior report week. Residential and commercial consumption decreased by 5 percent. Natural gas consumed for power generation decreased by 7 percent on the week. Industrial sector consumption decreased 1 percent. Natural gas exports to Mexico were unchanged over the week.

Propane

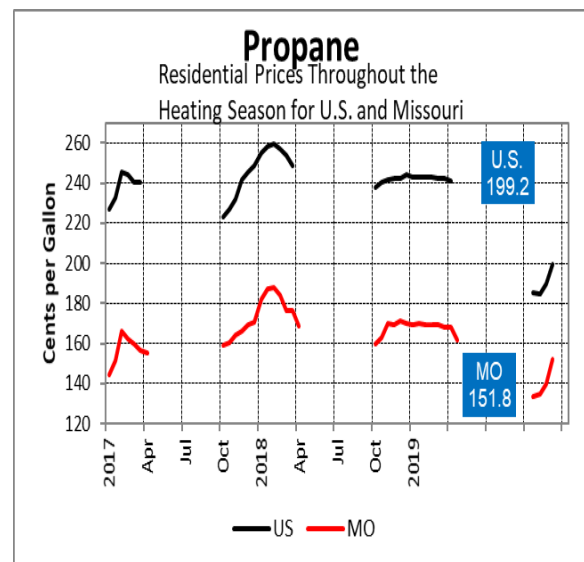
Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

Please note that the sample of propane distributors surveyed by the Missouri Division of Energy has changed as a part of the Division's participation in EIA's State Heating Oil and Propane Program.

On November 18, the average Missouri retail price for residential propane was approximately \$1.52 per gallon, up 17.1 cents, or 13 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	11-18-19	10-21-19	change	12-03-18	change
Missouri	151.8	134.7	up 13%	171.1	down 11%

- According to the Division of Energy's most recent statewide propane price survey conducted November 18, the average Missouri retail residential propane price was approximately \$1.52 per gallon.
- U.S. propane/propylene stocks decreased over the prior report week at 94.2 MMB. As of November 15, U.S. propane/propylene stocks were 12.4 MMB, or 15 percent, higher than the year-ago inventory level for the same time of year. Midwest inventories are slightly lower for the report week at 23.4 MMB. Midwest inventories stood at approximately 26.6 MMB at the same time last year.
- U.S. propane consumption was lower week-over-week at 1.4 MMB/D. Consumption stood at approximately 1.3 MMB/D at the same time last year.



For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Natural Resources' Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Natural Resources, Division of Energy, P.O. Box 176, Jefferson City, MO 65102; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@dnr.mo.gov; Web Address: <https://energy.mo.gov/energy-bulletins>.



MISSOURI ENERGY BULLETIN

December 9, 2019

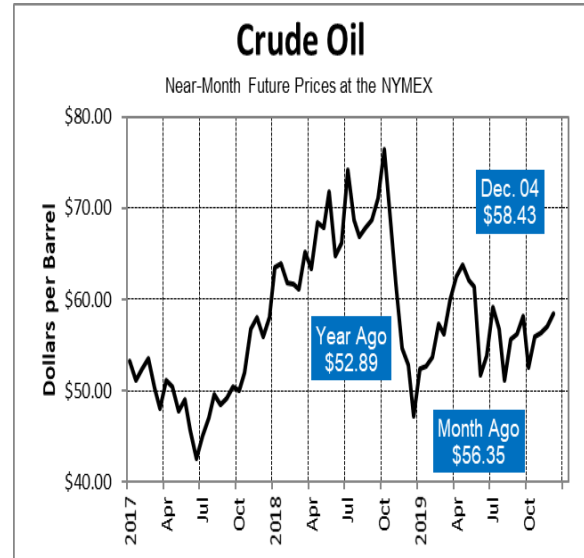
(Data are for the week ending November 29, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$2.08 to \$58.43 per barrel in the past month and are 10 percent higher compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	12-04-19	11-06-19	change	12-05-18	change
NYMEX	\$58.43	\$56.35	up 4%	\$52.89	up 10%

- On December 4, crude oil futures for delivery on the NYMEX ended higher on the week to settle at \$58.43 per barrel. The price for crude oil futures is \$2.08 or 4 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$58.43 is \$5.54, or 10 percent, higher.
- In the December 4, 2019 edition of *This Week in Petroleum*, the U.S. Energy Information Administration (EIA) states in September 2019, the United States exported more petroleum than it imported, the first month this happened since monthly records began in 1973.



- Domestic crude production was unchanged relative to the prior week at 12.9 million barrels per day (MMB/D). Last year at this time, production stood at approximately 11.7 MMB/D.
- Total crude imports were down over the prior week at approximately 6.0 MMB/D. Imports at this time last year were approximately 7.2 MMB/D.

- U.S. crude oil supplies decreased 4.9 MMB on the week to 447.1 MMB. U.S. supplies are 3.9 MMB higher compared to this time last year.
- U.S. refinery crude runs were higher relative to the prior week with refineries processing approximately 16.8 MMB/D. U.S. refinery capacity utilization was higher on the week at 91.9 percent. Last year at this time, capacity use stood at approximately 95.5 percent.
- Gasoline output was lower on the week at approximately 9.9 MMB/D. Output was approximately 9.7 MMB/D at this time last year. Distillate output was higher than the prior week at approximately 5.3 MMB/D. Last year at this time, production stood at 5.6 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 21.2 MMB/D, 0.3 percent higher than the same period last year.

Transportation Fuels

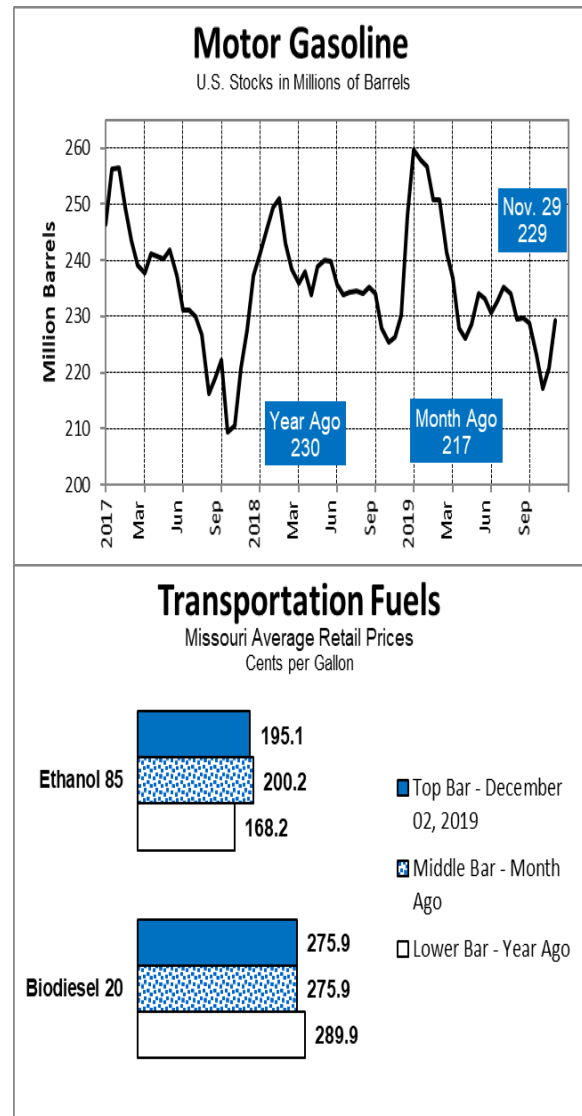
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>. To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- At approximately \$2.58, the U.S. average price for regular gasoline on December 2 was 3.0 cents per gallon, or 1 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 12.4 cents per gallon, or 5 percent, higher compared to this time last year. In the past week, the U.S. average decreased by approximately 0.4 cents.
- Gasoline imports decreased from the prior week at approximately 0.4 MMB/D. Last year at this time, imports stood at approximately 0.2 MMB/D.
- Implied demand for gasoline was lower on the week at approximately 9.0 MMB/D. Demand stood at approximately 8.9 MMB/D at this time last year.
- In the past four weeks, U.S. gasoline demand has averaged approximately 9.2 MMB/D.

- U.S. gasoline supplies are up 3.4 MMB on the week at 229.4 MMB. U.S. supplies are approximately 3.1 MMB higher than this time last year.
- Distillate stocks increased 3.1 MMB on the week at 119.5 MMB and stand 6.1 MMB lower compared to the same period last year.
- Distillate demand was lower on the week at approximately 3.6 MMB/D. Demand stood at approximately 4.0 MMB/D at this time last year. On a four-week average, distillate demand was lower at approximately 4.2 MMB/D.
- On December 2, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$195.1 per gallon.
- On December 2, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was approximately \$2.76 per gallon.
- According to EIA's latest *Short-Term Energy Outlook* dated November 13, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017 and \$2.73 in 2018, are predicted to average \$2.60 in 2019 and \$2.62 in 2020.



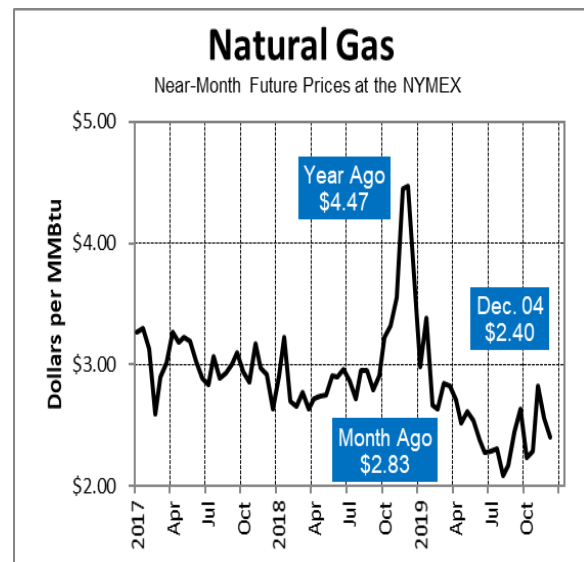
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On December 4, 2019, natural gas futures on the NYMEX closed at \$2.40 per million British thermal units (MMBtu), down approximately \$0.43, or 15 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	12-04-19	11-06-19	change	12-05-18	change
NYMEX	\$2.40	\$2.83	down 15%	\$4.47	down 46%

- The January 2019 NYMEX futures contract settled at \$2.40 per MMBtu on December 4, \$0.10 lower than the November 27 settlement.
- In the past month, the futures contract has decreased 43 cents, or 15 percent.
- Futures are down \$2.07, or 46 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 3,591 billion cubic feet (Bcf), 19.7 percent higher than last year at this time and 0.3 percent lower than the 5-year average.



- According to the EIA, net withdrawals from working gas totaled 19 Bcf for the week ending November 29.
- For the week ending November 28, temperatures averaged cooler than normal in the Western U.S. and warmer than normal for the Eastern U.S. Heating degree days nationally were 12 below the normal, while cooling degree days were average.
- According to EIA, total U.S. consumption of natural gas increased 7 percent over the prior report week. Residential and commercial consumption increased by 13 percent. Natural gas consumed for power generation increased by 6 percent on the week. Industrial sector consumption was unchanged on the week. Natural gas exports to Mexico increased 2%.

Propane

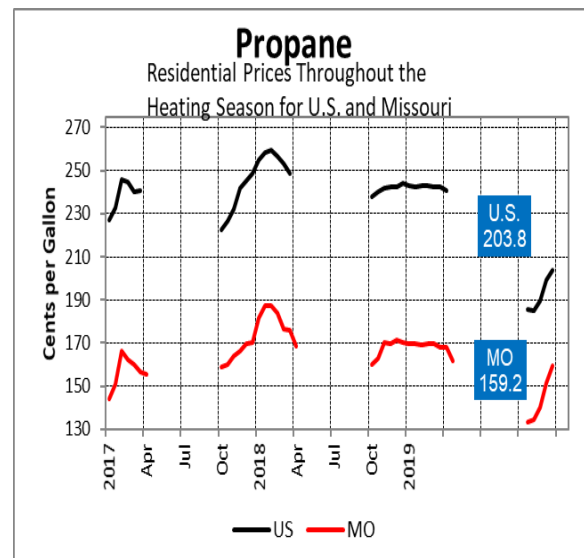
Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

Please note that the sample of propane distributors surveyed by the Missouri Division of Energy has changed as a part of the Division's participation in EIA's State Heating Oil and Propane Program.

On December 2, the average Missouri retail price for residential propane was approximately \$1.59 per gallon, up 19.0 cents, or 14 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	12-02-19	11-04-19	change	12-17-18	change
Missouri	159.2	140.2	up 14%	170.3	down 7%

- According to the Division of Energy's most recent statewide propane price survey conducted December 2, the average Missouri retail residential propane price was approximately \$1.59 per gallon.
- U.S. propane/propylene stocks decreased over the prior report week at 91.8 MMB. As of November 29, U.S. propane/propylene stocks were 12.0 MMB, or 15 percent, higher than the year-ago inventory level for the same time of year. Midwest inventories are slightly lower for the report week at 22.1 MMB. Midwest inventories stood at approximately 25.2 MMB at the same time last year.
- U.S. propane consumption was higher week-over-week at 1.8 MMB/D. Consumption stood at approximately 1.3 MMB/D at the same time last year.



For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Natural Resources' Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Natural Resources, Division of Energy, P.O. Box 176, Jefferson City, MO 65102; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@dnr.mo.gov; Web Address: <https://energy.mo.gov/energy-bulletins>.



MISSOURI ENERGY BULLETIN

December 20, 2019

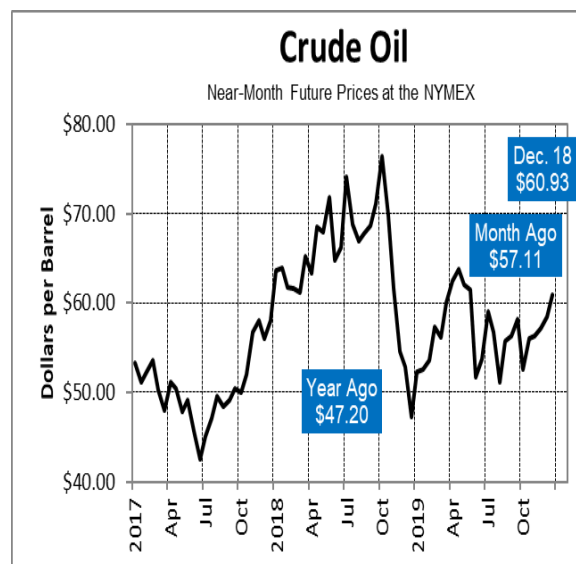
(Data are for the week ending December 13, 2019, unless stated otherwise.)

Crude Oil

U.S. crude oil prices increased by \$3.82 to \$60.93 per barrel in the past month and are 29 percent higher compared to this time last year.

Crude Oil - Near Month Future Prices (dollars per barrel)					
	12-18-19	11-20-19	change	12-19-18	change
NYMEX	\$60.93	\$57.11	up 7%	\$47.20	up 29%

- On December 18, crude oil futures for delivery on the NYMEX ended higher on the week to settle at \$60.93 per barrel. The price for crude oil futures is \$3.82, or 7 percent, above the month-ago level.
- Compared to this time last year, the U.S. crude oil futures settlement price of \$60.93 is \$13.73, or 29 percent, higher.
- In the December 18, 2019 edition of *This Week in Petroleum*, the U.S. Energy Information Administration (EIA) notes that Midwest propane inventories as of December 13 were below the five-year average because of increased consumption and reduced supply.
- Domestic crude production was unchanged relative to the prior week at 12.8 million barrels per day (MMB/D). Last year at this time, production stood at approximately 11.6 MMB/D.
- Total crude imports were down over the prior week at approximately 6.6 MMB/D. Imports at this time last year were approximately 7.4 MMB/D.



- U.S. crude oil supplies decreased 1.1 MMB on the week to 446.8 MMB. U.S. supplies are 5.3 MMB higher compared to this time last year.
- U.S. refinery crude runs were lower relative to the prior week with refineries processing approximately 16.6 MMB/D. U.S. refinery capacity utilization was unchanged on the week at 90.6 percent. Last year at this time, capacity use stood at approximately 95.4 percent.
- Gasoline output was higher on the week at approximately 9.8 MMB/D. Output was approximately 10.3 MMB/D at this time last year. Distillate output was lower than the prior week at approximately 5.1 MMB/D. Last year at this time, production stood at 5.4 MMB/D.
- Total petroleum products supplied to market, a measure of consumption, over the last four-week period stood at 20.6 MMB/D, 3.0 percent lower than the same period last year.

Transportation Fuels

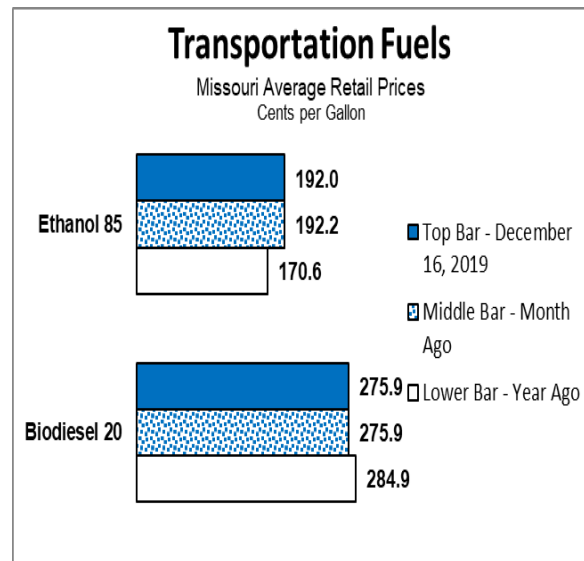
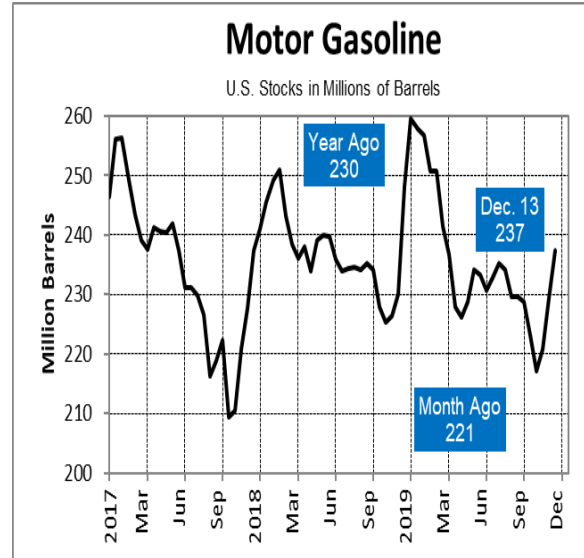
(Note: Gasoline and diesel prices may be obtained from the American Automobile Association (AAA) and the U.S. Energy Information Administration (EIA), as described below. Effective 06/25/2019, the Division of Energy no longer conducts phone surveys to obtain the prices for these fuels.)

For access to additional information on regional and national gasoline prices, stocks, production, and demand, please visit: <https://www.eia.gov/petroleum/weekly/gasoline.php>. To navigate to the above URL from EIA's home page, select the "Sources & Uses" tab at the top of the page, click on "This Week in Petroleum," and then click on the "GASOLINE" tab.

For access to and additional information on Missouri gasoline and diesel price averages by city and county, please visit: <https://gasprices.aaa.com/?state=MO>.

- At approximately \$2.54, the U.S. average price for regular gasoline on December 16 was 5.6 cents per gallon, or 2 percent, lower compared to last month.
- The U.S. average price for regular gasoline is 16.7 cents per gallon, or 7 percent, higher compared to this time last year. In the past week, the U.S. average decreased by approximately 2.5 cents.
- Gasoline imports decreased from the prior week at approximately 0.5 MMB/D. Last year at this time, imports stood at approximately 0.6 MMB/D.
- Implied demand for gasoline was higher on the week at approximately 9.4 MMB/D. Demand stood at approximately 9.2 MMB/D at this time last year.

- In the past four weeks, U.S. gasoline demand has averaged approximately 9.1 MMB/D.
- U.S. gasoline supplies are up 2.5 MMB on the week at 237.3 MMB. U.S. supplies are approximately 7.2 MMB higher than this time last year.
- Distillate stocks increased 1.5 MMB on the week at 125.1 MMB and stand 5.2 MMB higher compared to the same period last year.
- Distillate demand was higher on the week at approximately 4.1 MMB/D. Demand stood at approximately 4.9 MMB/D at this time last year. On a four-week average, distillate demand was lower at approximately 4.0 MMB/D.
- On December 16, Missouri's average retail price for E85 motor fuel, conventional motor fuel containing 85 percent ethanol, was approximately \$1.92 per gallon.
- On December 16, Missouri's average retail price for B20, diesel fuel containing 20 percent biofuel, was approximately \$2.76 per gallon.
- According to EIA's latest *Short-Term Energy Outlook* dated December 10, 2019, U.S. regular gasoline retail prices, which averaged \$2.42 per gallon in 2017 and \$2.73 in 2018, are predicted to average \$2.60 in 2019 and \$2.56 in 2020.



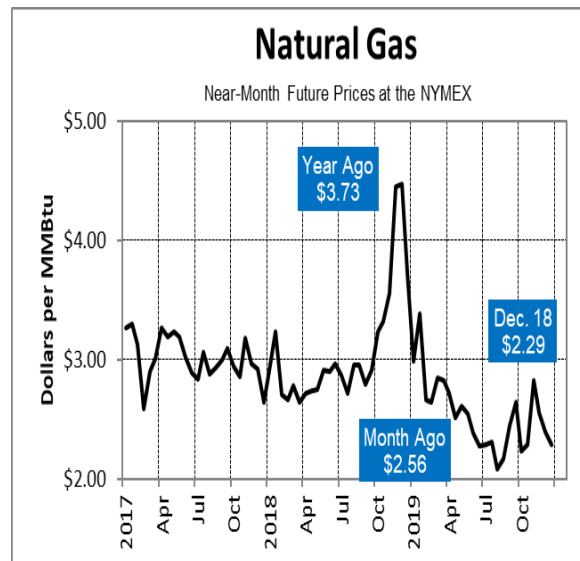
Natural Gas

Approximately 51.0 percent (1,217,836) of Missouri households use natural gas to heat their homes. (Data updated from the most recent U.S. Census report.) Natural gas is also used to produce goods and electricity.

On December 18, 2019, natural gas futures on the NYMEX closed at \$2.29 per million British thermal units (MMBtu), down approximately \$0.27, or 11 percent, in the past month.

Natural Gas - Near Month Future Prices (dollars per MMBtu)					
	12-18-19	11-20-19	change	12-19-18	change
NYMEX	\$2.29	\$2.56	down 11%	\$3.73	down 39%

- The January 2019 NYMEX futures contract settled at \$2.29 per MMBtu on December 18, \$0.04 higher than the December 11 settlement.
- In the past month, the futures contract has decreased 27 cents, or 11 percent.
- Futures are down \$1.44, or 39 percent, in the past year.
- According to EIA's *Weekly Natural Gas Storage Report*, U.S. natural gas supplies are at 3,411 billion cubic feet (Bcf), 22.1 percent higher than last year at this time and 0.3 percent lower than the 5-year average.



- According to the EIA, net withdrawals from working gas totaled 107 Bcf for the week ending December 13.
- For the week ending December 12, temperatures averaged significantly warmer than normal for the majority of the Continental United States, with many areas seeing record high temperatures on Christmas Day. Heating degree days nationally were 14 below the normal, while cooling degree days were one above the normal.
- According to EIA, total U.S. consumption of natural gas increased 7 percent over the prior report week. Residential and commercial consumption increased by 7 percent. Natural gas consumed for power generation increased by 7 percent on the week. Industrial sector consumption increased 5 percent on the week. Natural gas exports to Mexico were unchanged from the prior week.

Propane

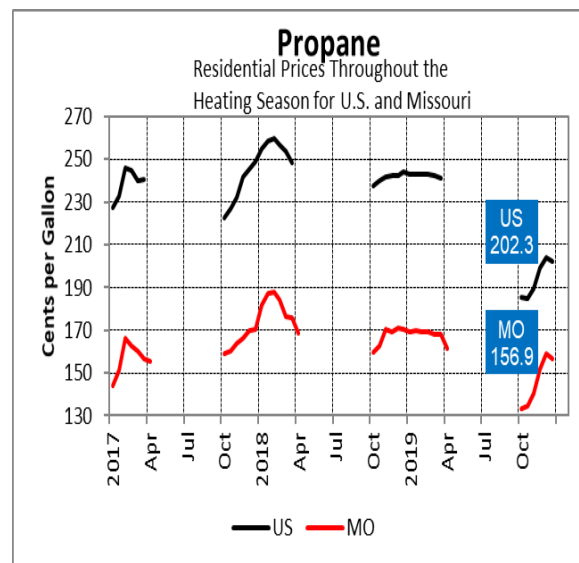
Approximately 8.9 percent (213,192) of Missouri households use propane to heat their homes. (Data updated from the most recent U.S. Census report.) Propane is also used to support commercial operations, produce goods, dry grain harvests and fuel vehicles.

Please note that the sample of propane distributors surveyed by the Missouri Division of Energy has changed as a part of the Division's participation in EIA's State Heating Oil and Propane Program.

On December 16, the average Missouri retail price for residential propane was approximately \$1.57 per gallon, up 5.1 cents, or 3 percent, in the past month.

Propane - Retail Prices (cents per gallon)					
	12-16-19	11-18-19	change	12-19-17	change
Missouri	156.9	151.8	up 3%	170.5	down 8%

- According to the Division of Energy's most recent statewide propane price survey conducted December 16, the average Missouri retail residential propane price was approximately \$1.57 per gallon.
- U.S. propane/propylene stocks decreased over the prior report week at 91.0 MMB. As of December 13, U.S. propane/propylene stocks were 17.7 MMB, or 24 percent, higher than the year-ago inventory level for the same time of year. Midwest inventories are lower for the report week at 20.5 MMB. Midwest inventories stood at approximately 21.9 MMB at the same time last year.
- U.S. propane consumption was higher week-over-week at 1.7 MMB/D. Consumption stood at approximately 1.8 MMB/D at the same time last year.



For more information on propane, please visit:

<https://energy.mo.gov/resources/be-prepared-for-propane>

To access previous issues of the Energy Bulletin, or to subscribe, please visit:

<https://energy.mo.gov/energy-bulletins>

To learn more about Missouri energy issues, please visit:

<http://energy.mo.gov/energy>

For more information about the Comprehensive State Energy Plan, please visit:

<https://energy.mo.gov/comprehensive-state-energy-plan>

The *Missouri Energy Bulletin* is distributed twice a month by the Missouri Department of Natural Resources' Division of Energy. The Division of Energy collects E-85, B-20, and propane heating fuel prices from a sample of retail providers located throughout the state. The average price reported is based on these sample prices and may or may not reflect the actual price of a particular retail provider. To preserve confidentiality, price data are averaged. The bulletin is a public resource made available to state government decision-makers and other interested individuals upon request and online at the Division's web address. The Department thanks each of the following in helping to provide accurate, timely data on fuel supplies and prices: the U.S. Department of Energy's Energy Information Administration; the National Association of State Energy Officials; the St. Louis AAA Auto Club; and Missouri's energy retailers. For more information, contact: MO Dept. of Natural Resources, Division of Energy, P.O. Box 176, Jefferson City, MO 65102; Phone: 573-751-2254; Fax: 573-751-6860; Email: energy@dnr.mo.gov; Web Address: <https://energy.mo.gov/energy-bulletins>.